

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012220\
 Data File : VU036524.D
 Acq On : 22 Jan 2020 14:24
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 22 22:10:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	37092	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	14664	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	14075	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	5967	0.562	ug/l 98
3) Chloromethane	1.54	50	6779	0.494	ug/l 98
4) Vinyl Chloride	1.62	62	7475	0.474	ug/l 97
5) Bromomethane	1.88	94	5313	0.635	ug/l 100
6) Chloroethane	1.95	64	5765	0.626	ug/l 97
7) Trichlorofluoromethane	2.16	101	7509	0.410	ug/l 97
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4415	0.461	ug/l 95
9) 1,1-Dichloroethene	2.61	96	4939	0.505	ug/l 95
10) Iodomethane	2.75	142	3663	0.313	ug/l 95
11) Allyl Chloride	2.96	41	7111	0.371	ug/l 94
12) Acrylonitrile	3.37	53	2511	0.916	ug/l # 90
13) Acetone	2.68	43	7590	2.308	ug/l 96
14) Carbon Disulfide	2.82	76	17039	0.467	ug/l 100
15) Methylene Chloride	3.08	84	8568	0.665	ug/l 98
16) trans-1,2-Dichloroethene	3.39	96	5366	0.491	ug/l 96
17) 1,1-Dichloroethane	3.91	63	9037	0.462	ug/l 99
18) 2-Butanone	4.79	43	6493	1.833	ug/l 99
19) Cyclohexane	5.42	56	7395	0.389	ug/l 92
20) Methylcyclohexane	6.79	83	8440	0.448	ug/l 98
21) 2,2-Dichloropropane	4.71	77	7622	0.431	ug/l 97
22) cis-1,2-Dichloroethene	4.71	96	5603	0.506	ug/l 98
23) Diethyl Ether	2.40	59	3875	0.455	ug/l 97
24) tert-Butyl Alcohol	3.30	59	2963	3.360	ug/l # 80
25) Methyl tert-Butyl Ether	3.42	73	13003	0.435	ug/l # 81
26) Bromochloromethane	5.02	128	2441	0.550	ug/l 97
27) Chloroform	5.13	83	8700	0.447	ug/l 96
28) 1,1,1-Trichloroethane	5.36	97	7387	0.429	ug/l 98
29) 1,1-Dichloropropene	5.56	75	7288	0.463	ug/l 99
30) Carbon Tetrachloride	5.56	117	6171	0.426	ug/l 93
31) Isopropyl Ether	4.06	45	13395	0.407	ug/l 97
32) Ethyl-t-butyl ether	4.56	59	14151	0.440	ug/l 98
33) Tert-Amyl methyl ether	5.99	73	13031	0.446	ug/l 98
34) Propionitrile	4.86	54	1255	1.420	ug/l # 85
35) Benzene	5.81	78	21150	0.481	ug/l 98
36) 1,2-Dichloroethane	5.84	62	5604	0.398	ug/l 97
37) Trichloroethene	6.58	130	5698	0.533	ug/l 93
38) 1,2-Dichloropropane	6.83	63	5127	0.444	ug/l 96
39) Methacrylonitrile	5.04	41	1551	0.370	ug/l # 88
40) Methyl acrylate	4.92	55	1905	0.307	ug/l # 93
41) Tetrahydrofuran	5.13	42	1977	0.911	ug/l # 67
42) 1-Chlorobutane	5.50	56	9332	0.409	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012220\
 Data File : VU036524.D
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 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

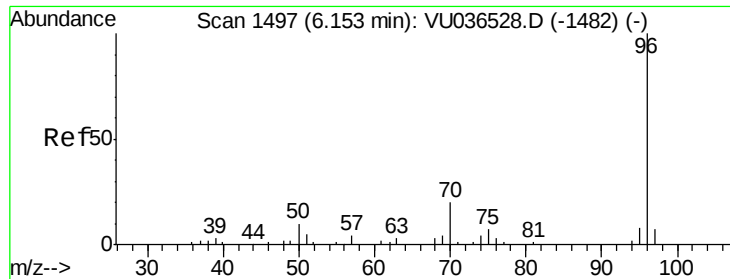
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 22 22:10:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.95	93	2754	0.464	ug/l	94
44) Bromodichloromethane	7.14	83	6420	0.420	ug/l	94
45) 4-Methyl-2-Pentanone	7.84	43	15775	1.922	ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	5552	1.666	ug/l #	63
47) Methyl methacrylate	7.01	69	5340	0.943	ug/l	94
48) Ethyl methacrylate	8.37	69	4873	0.436	ug/l	94
49) Toluene	8.00	92	13562	0.497	ug/l	98
50) t-1,3-Dichloropropene	8.24	75	6182	0.412	ug/l	96
51) cis-1,3-Dichloropropene	7.64	75	7482	0.432	ug/l	98
52) 1,1,2-Trichloroethane	8.43	97	3791	0.482	ug/l	97
53) 1,3-Dichloropropane	8.61	76	6414	0.437	ug/l	98
54) 2-Hexanone	8.73	43	10375	1.836	ug/l	98
55) Dibromochloromethane	8.84	129	4170	0.452	ug/l	100
56) 1,2-Dibromoethane	8.95	107	3576	0.462	ug/l	99
58) Tetrachloroethene	8.58	164	5109	0.579	ug/l	97
59) Chlorobenzene	9.47	112	14960	0.519	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	4451	0.456	ug/l	97
61) Pentachloroethane	11.45	117	3242	0.404	ug/l	98
62) Hexachloroethane	12.50	117	3670	0.435	ug/l	96
63) Ethyl Benzene	9.60	91	24514	0.468	ug/l	98
64) m/p-Xylenes	9.72	106	19179	0.990	ug/l	97
65) o-Xylene	10.13	106	9231	0.488	ug/l	96
66) Styrene	10.14	104	15742	0.504	ug/l	98
67) Bromoform	10.32	173	2293	0.502	ug/l #	95
69) Isopropylbenzene	10.51	105	24167	0.475	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	4804	0.453	ug/l	95
71) 1,2,3-Trichloropropane	10.85	75	5552	0.686	ug/l #	46
72) Bromobenzene	10.81	156	5692	0.529	ug/l	91
73) n-propylbenzene	10.93	120	6352	0.466	ug/l	90
74) 2-Chlorotoluene	11.01	126	5918	0.506	ug/l	92
75) 1,3,5-Trimethylbenzene	11.11	105	21220	0.492	ug/l	96
76) 4-Chlorotoluene	11.12	126	5946	0.494	ug/l	90
77) tert-Butylbenzene	11.44	119	20541	0.497	ug/l	98
78) 1,2,4-Trimethylbenzene	11.49	105	22030	0.493	ug/l	97
79) sec-Butylbenzene	11.66	105	27275	0.476	ug/l	98
80) Nitrobenzene	13.24	77	168	0.903	ug/l #	40
81) p-Isopropyltoluene	11.81	119	22046	0.482	ug/l	98
82) 1,3-Dichlorobenzene	11.77	146	11657	0.517	ug/l	98
83) 1,4-Dichlorobenzene	11.86	146	11825	0.530	ug/l	97
84) n-Butylbenzene	12.23	91	19613	0.407	ug/l	99
85) 1,2-Dichlorobenzene	12.24	146	11688	0.548	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	853	0.443	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.86	180	5954	0.440	ug/l	95
88) Hexachlorobutadiene	14.04	225	3718	0.585	ug/l	94
89) Naphthalene	14.11	128	9927	0.369	ug/l	97
90) 1,2,3-Trichlorobenzene	14.35	180	6190	0.498	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 37092

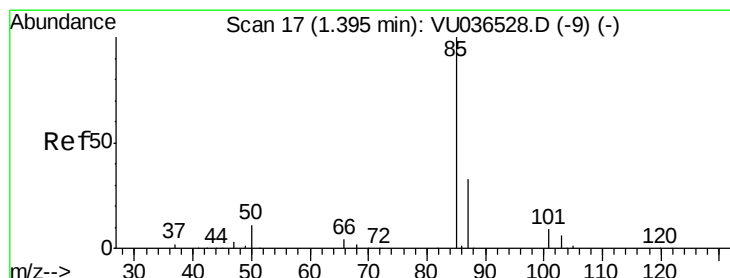
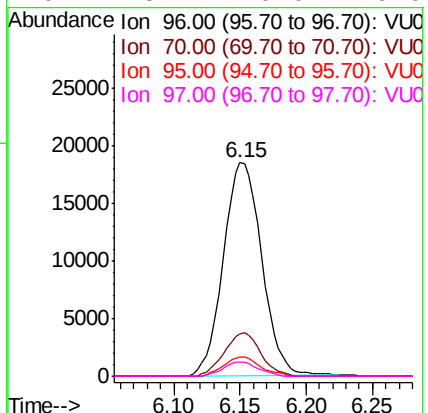
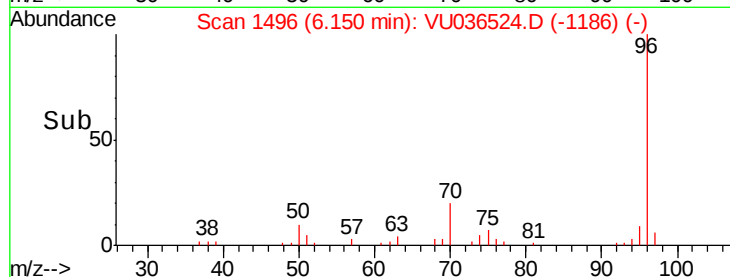
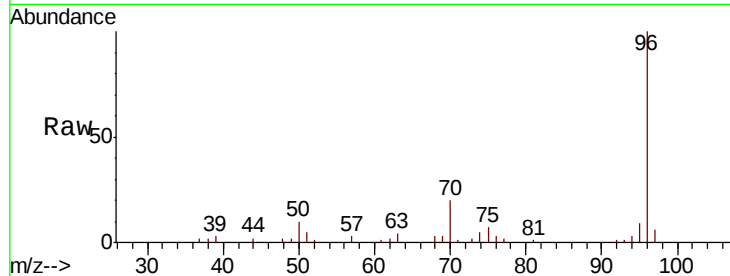
Ion Ratio Lower Upper

96 100

70 19.3 15.6 23.4

95 8.6 7.0 10.6

97 6.1 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.562 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036524.D

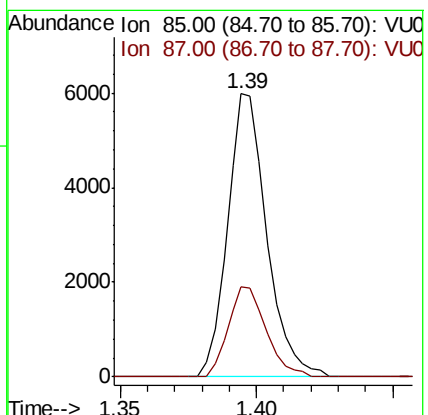
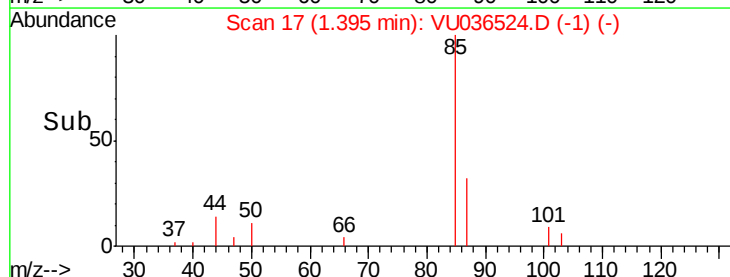
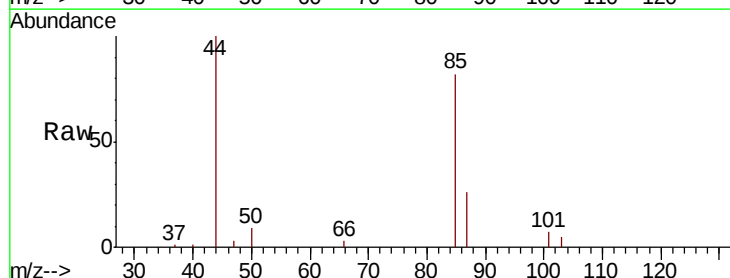
Acq: 22 Jan 2020 14:24

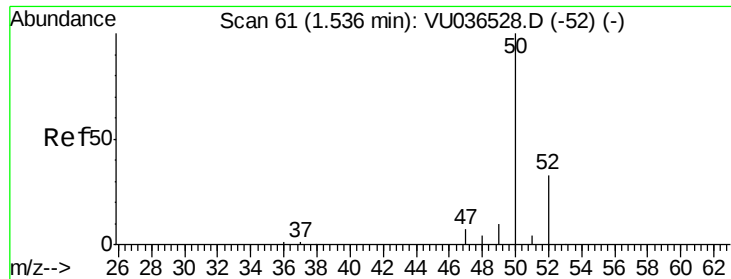
Tgt Ion: 85 Resp: 5967

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.2





#3

Chloromethane

Concen: 0.494 ug/l

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

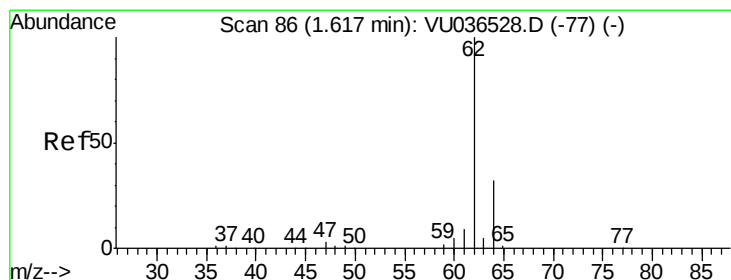
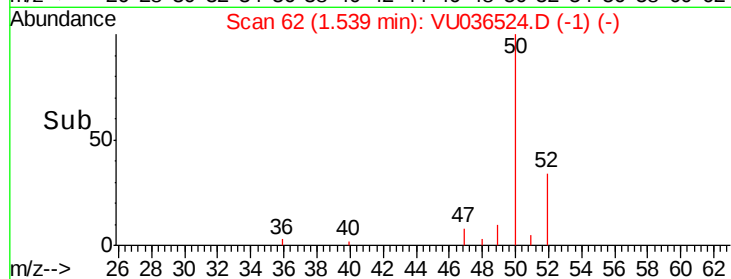
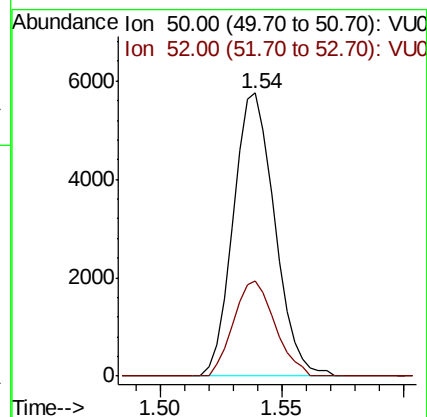
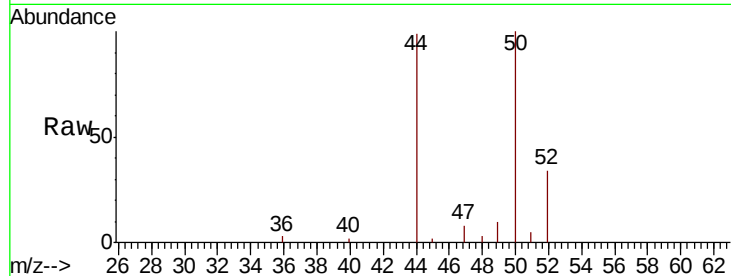
ClientSampleId :

Tot Ion: 50 Resp: 6779

Ion Ratio Lower Upper

50 100

52 33.8 26.0 39.0



#4

Vinyl Chloride

Concen: 0.474 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036524.D

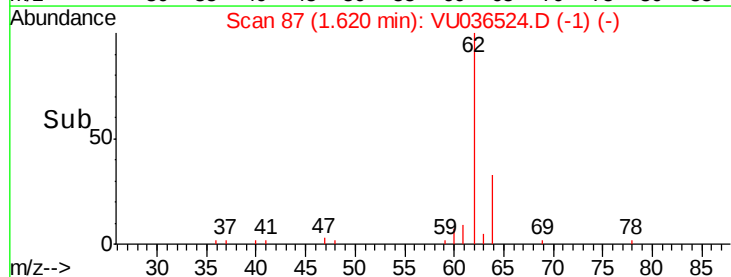
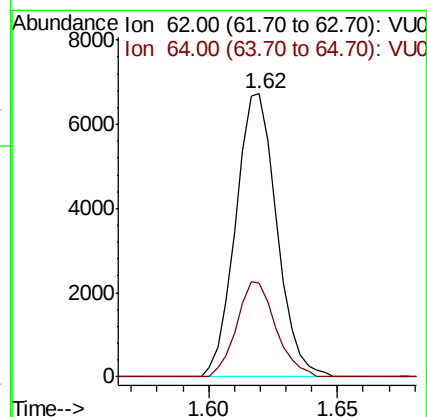
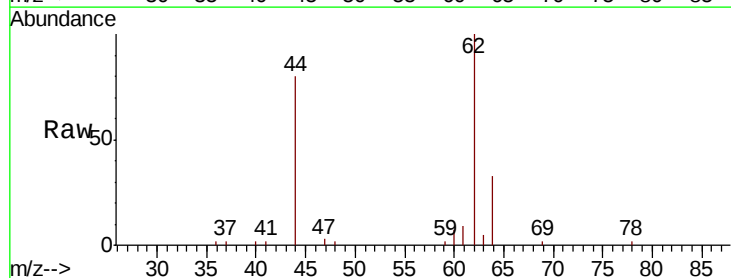
Acq: 22 Jan 2020 14:24

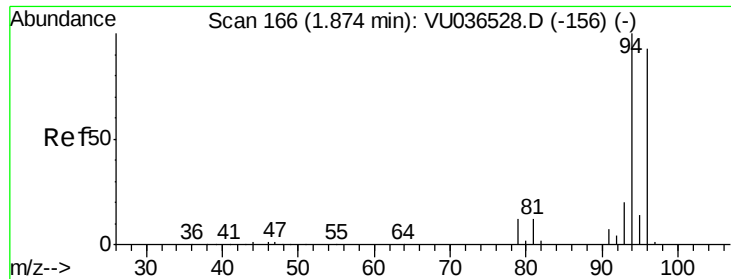
Tgt Ion: 62 Resp: 7475

Ion Ratio Lower Upper

62 100

64 33.3 25.4 38.2

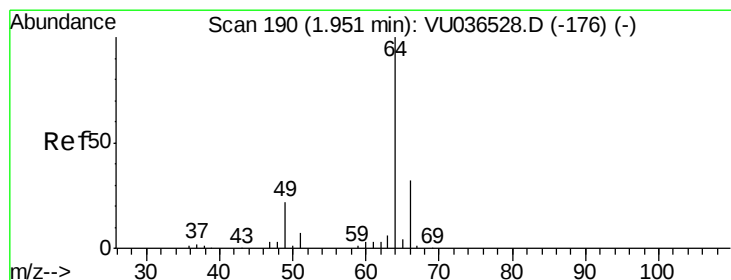
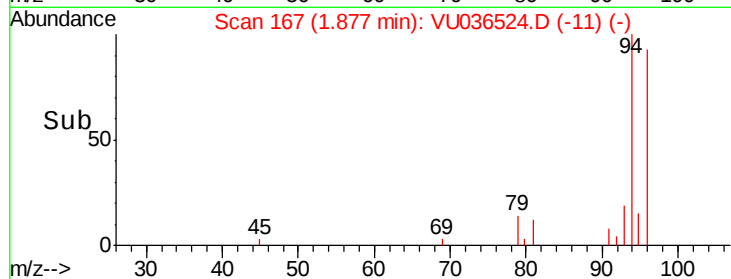
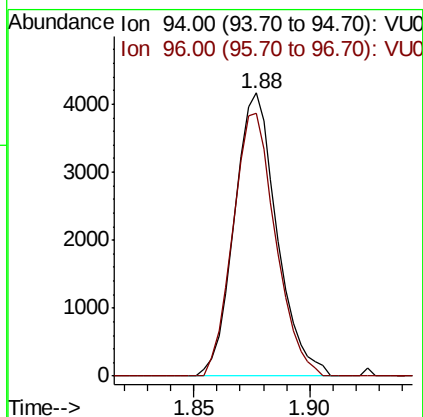
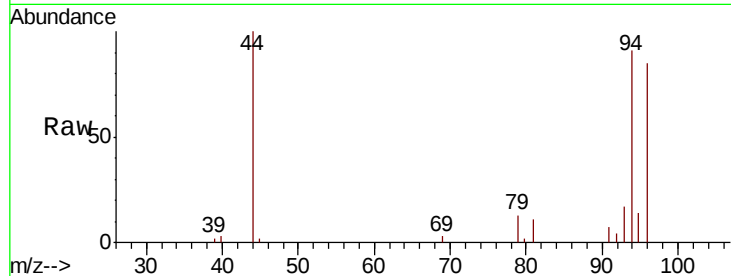




#5
Bromomethane
Concen: 0.635 ug/l
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

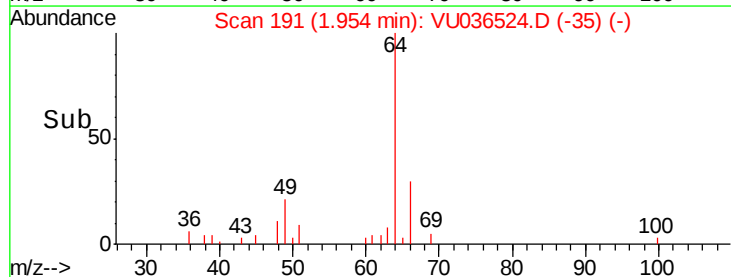
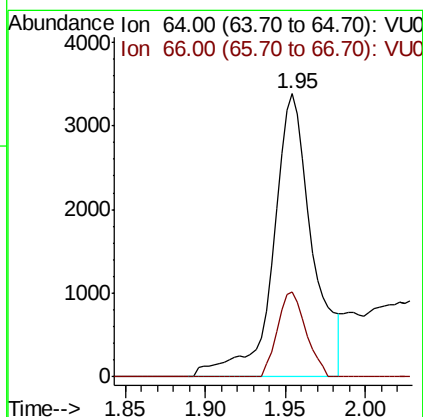
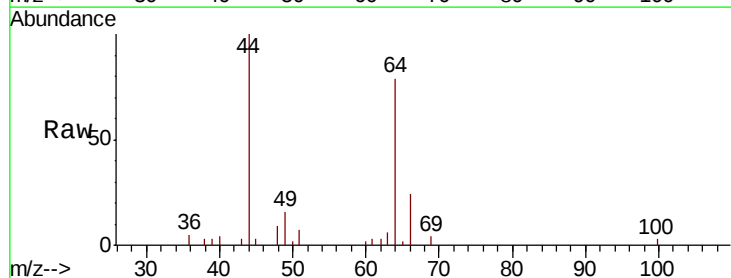
Instrument :
MSVOA_U
ClientSampleId :

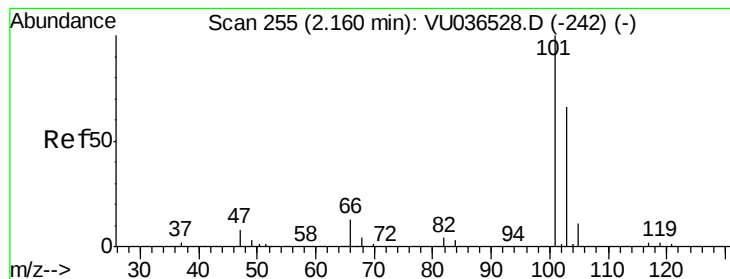
Tot Ion: 94 Resp: 5313
Ion Ratio Lower Upper
94 100
96 93.0 74.6 112.0



#6
Chloroethane
Concen: 0.626 ug/l
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 64 Resp: 5765
Ion Ratio Lower Upper
64 100
66 30.0 25.5 38.3



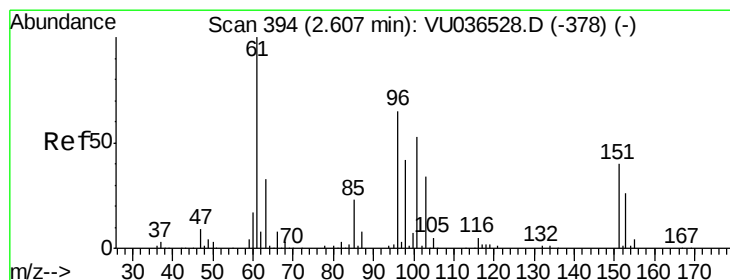
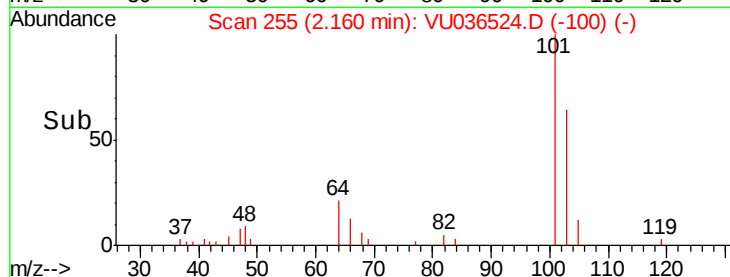
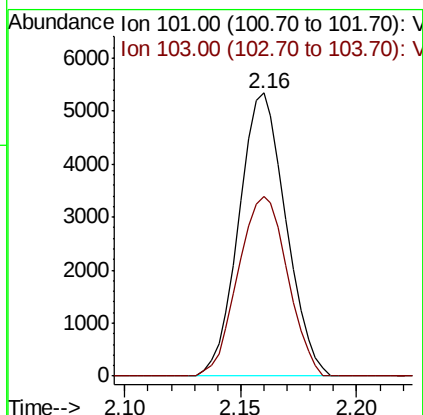
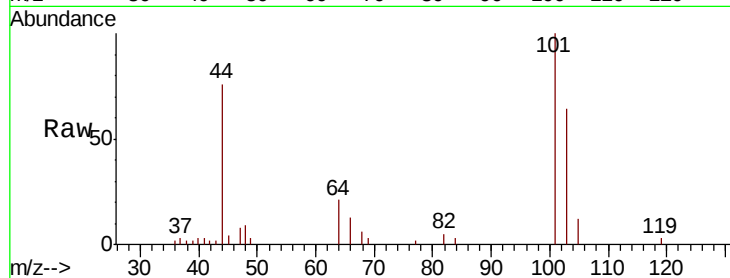


#7

Trichlorofluoromethane
Concen: 0.410 ug/l
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :

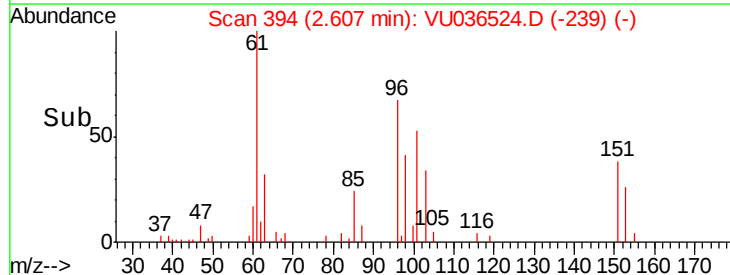
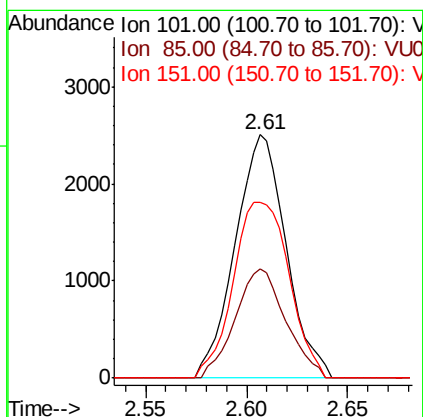
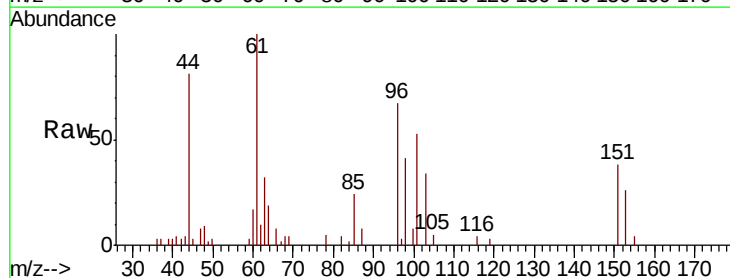
Tot Ion:101 Resp: 7509
Ion Ratio Lower Upper
101 100
103 63.7 53.0 79.6

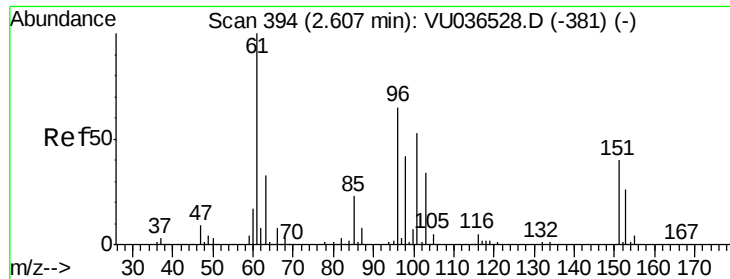


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.461 ug/l
RT: 2.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion:101 Resp: 4415
Ion Ratio Lower Upper
101 100
85 44.6 33.9 50.9
151 79.5 59.8 89.8





#9

1,1-Dichloroethene

Concen: 0.505 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :

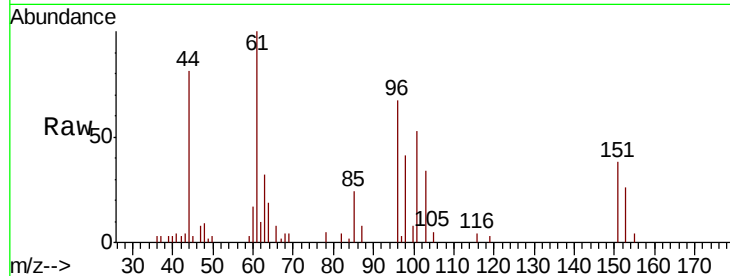
Tot Ion: 96 Resp: 4939

Ion Ratio Lower Upper

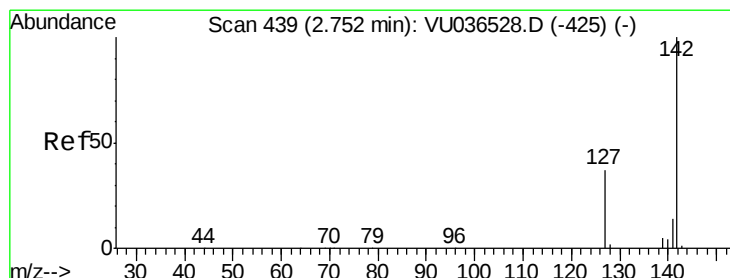
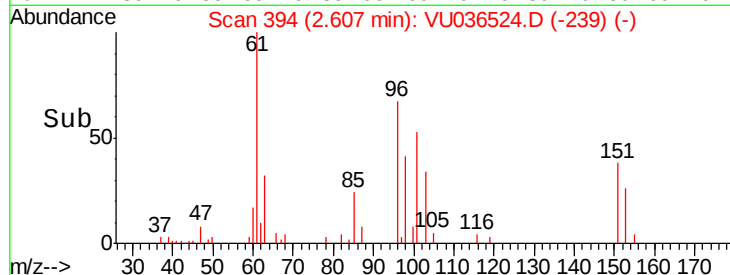
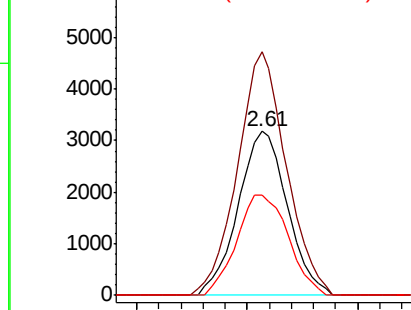
96 100

61 148.3 0.0 463.2

98 60.9 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 0.313 ug/l

RT: 2.75 min Scan# 439

Delta R.T. -0.00 min

Lab File: VU036524.D

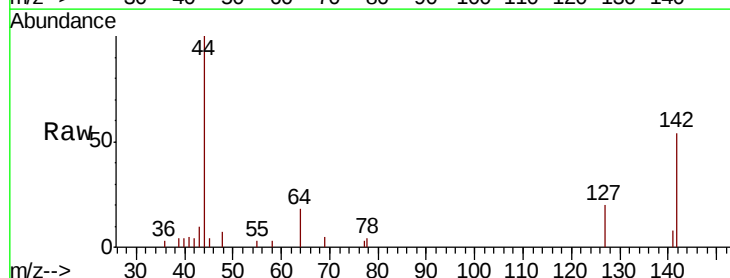
Acq: 22 Jan 2020 14:24

Tgt Ion:142 Resp: 3663

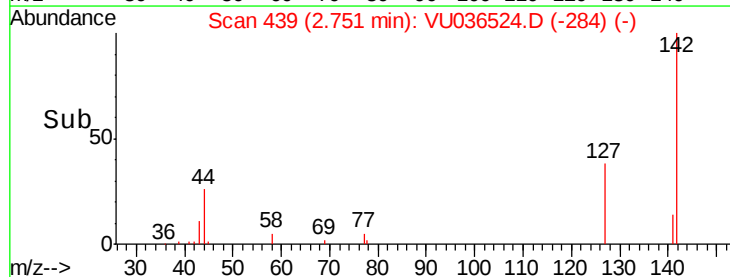
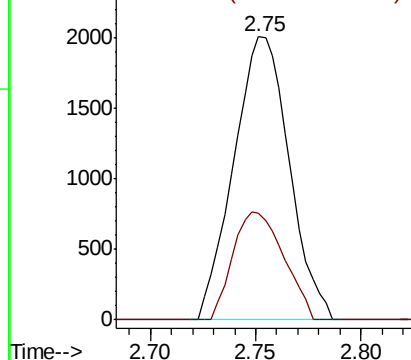
Ion Ratio Lower Upper

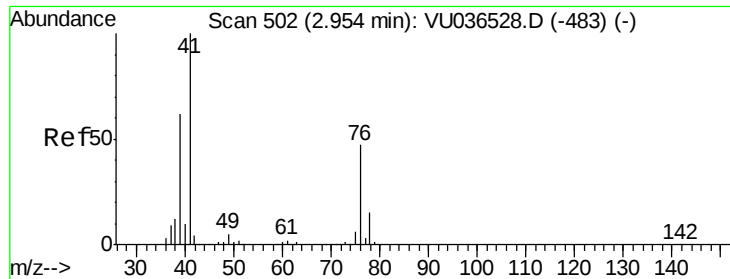
142 100

127 34.8 30.3 45.5



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

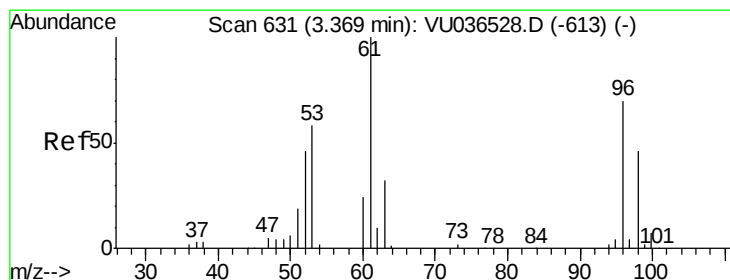
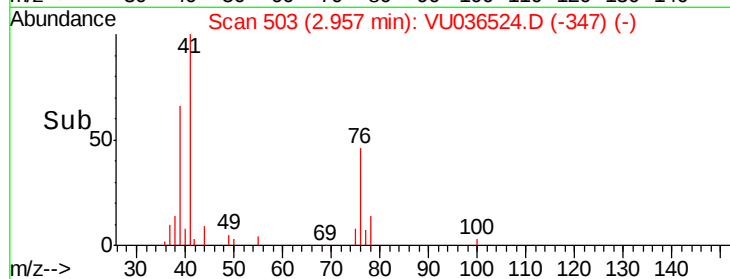
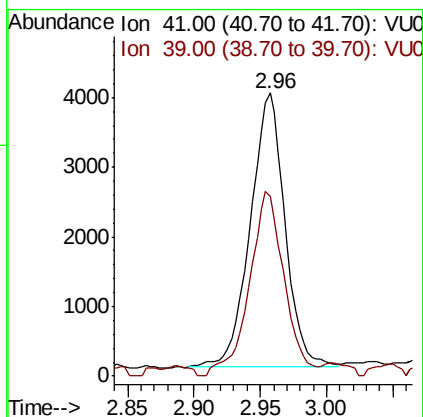
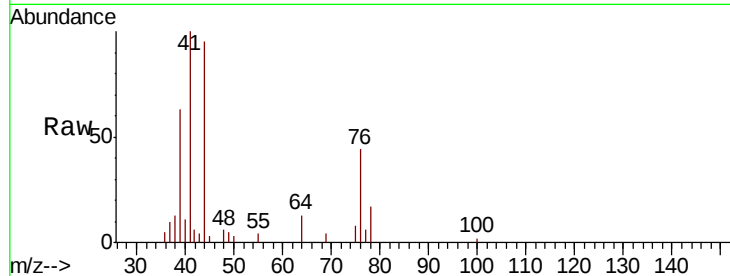




#11
Allvl Chloride
Concen: 0.371 ug/l
RT: 2.96 min Scan# 503
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

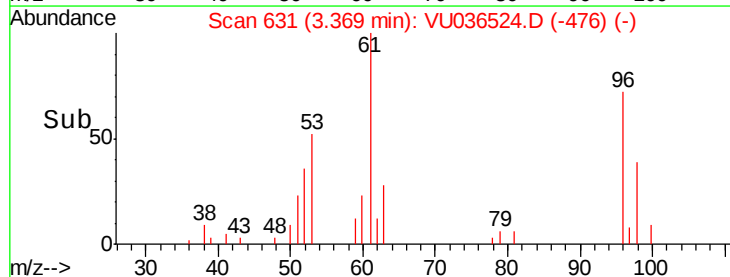
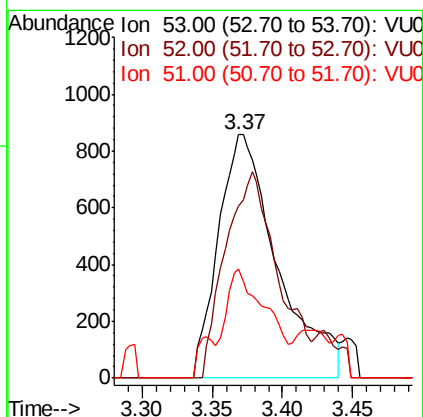
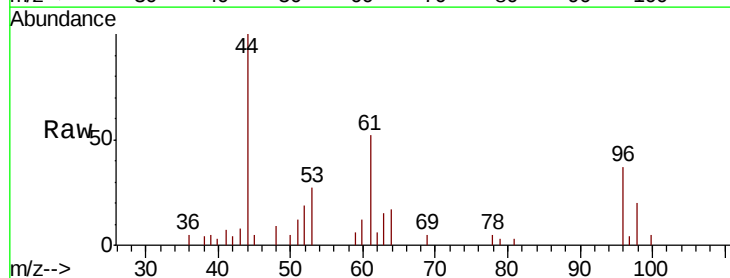
Instrument :
MSVOA_U
ClientSampled :

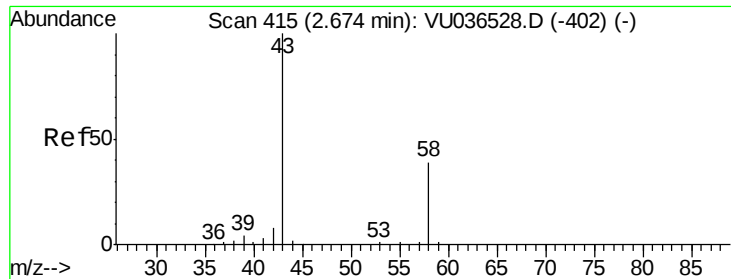
Tot Ion: 41 Resp: 7111
Ion Ratio Lower Upper
41 100
39 68.1 50.7 76.1



#12
Acrylonitrile
Concen: 0.916 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 53 Resp: 2511
Ion Ratio Lower Upper
53 100
52 75.0 64.6 97.0
51 24.3 27.2 40.8#





#13

Acetone

Concen: 2.308 ug/l

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

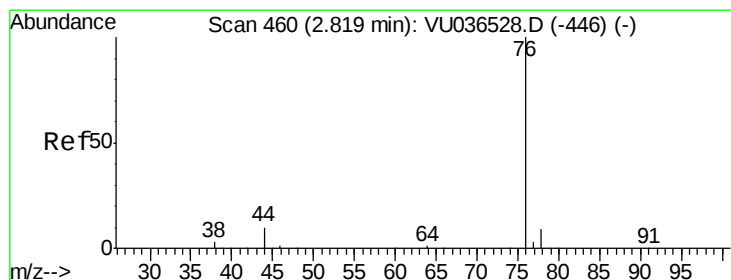
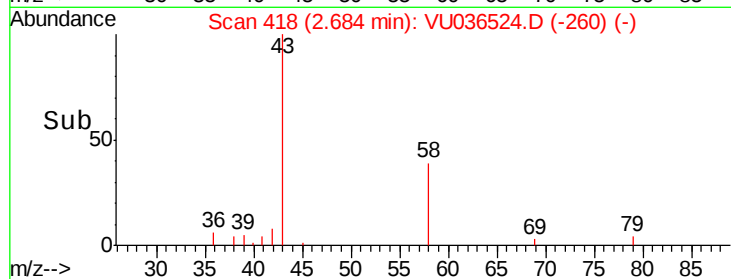
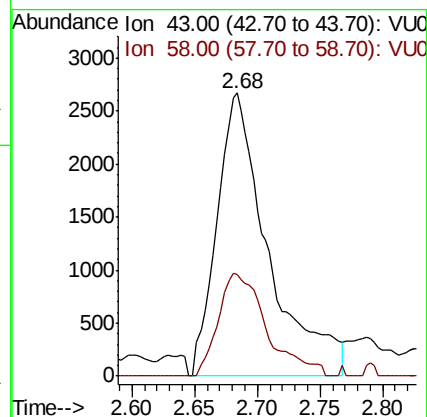
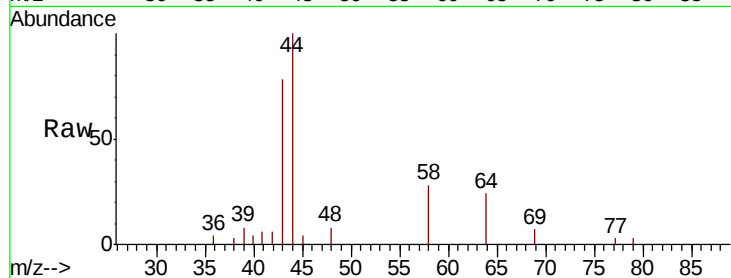
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 7590

Ion Ratio Lower Upper

43 100

58 36.0 30.8 46.2



#14

Carbon Disulfide

Concen: 0.467 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036524.D

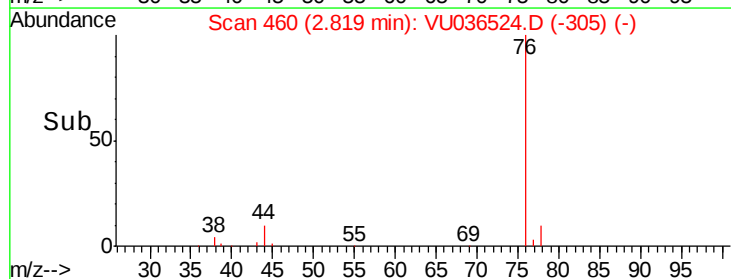
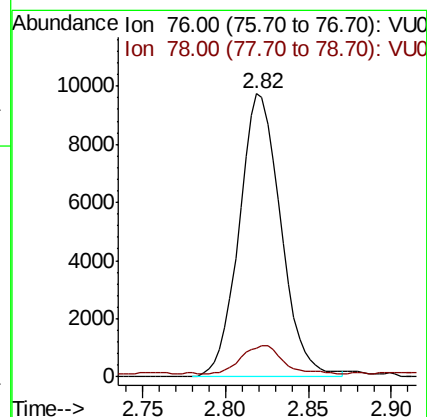
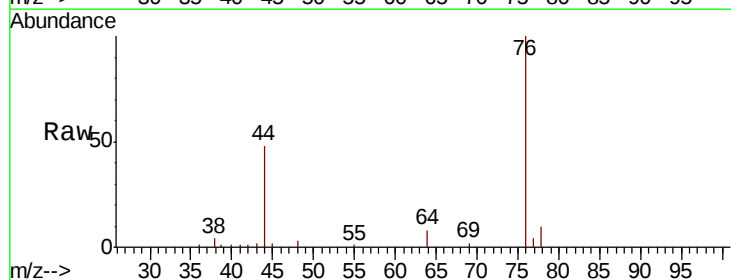
Acq: 22 Jan 2020 14:24

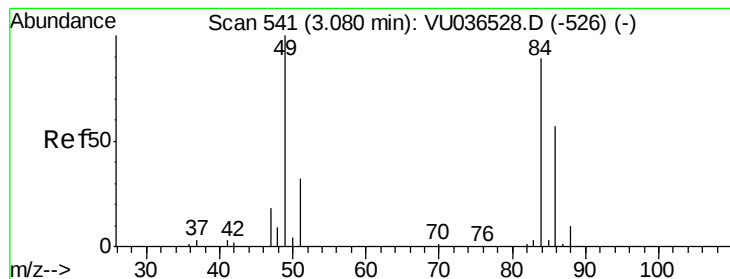
Tgt Ion: 76 Resp: 17039

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methylene Chloride

Concen: 0.665 ug/l

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 84 Resp: 8568

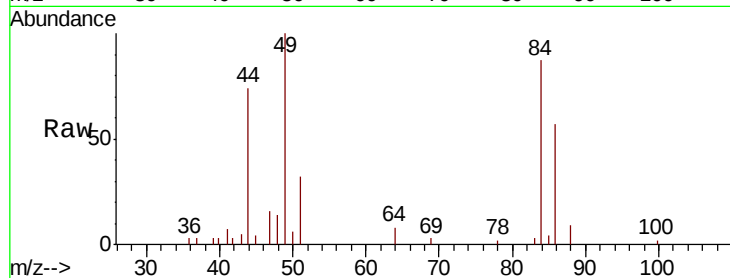
Ion Ratio Lower Upper

84 100

49 114.5 89.7 134.5

51 36.8 0.0 71.6

86 64.7 51.4 77.2



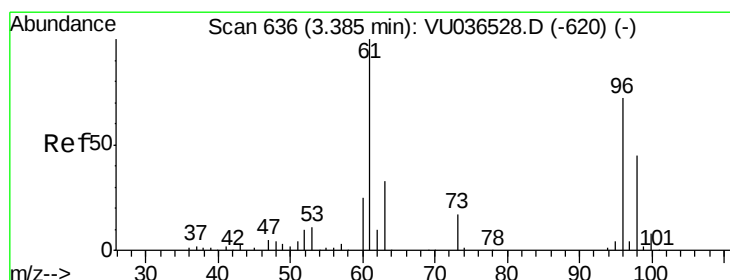
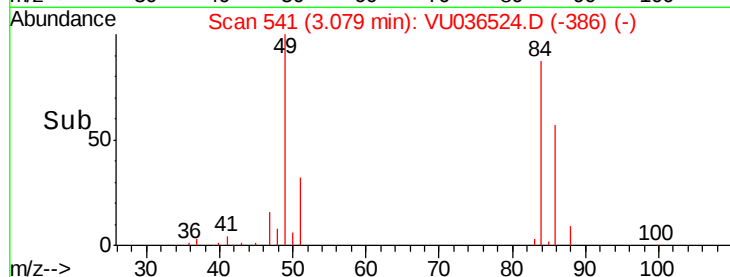
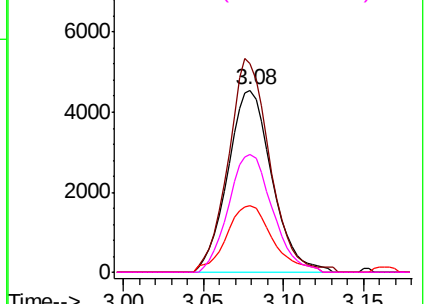
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 0.491 ug/l

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

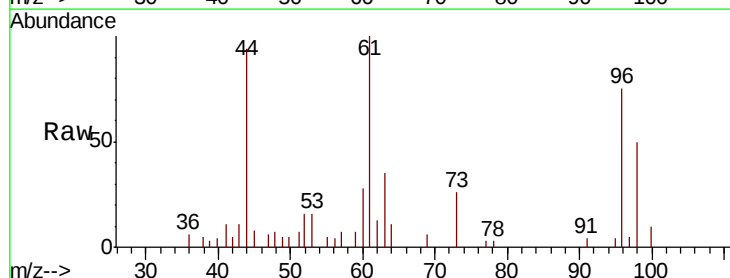
Tgt Ion: 96 Resp: 5366

Ion Ratio Lower Upper

96 100

61 133.1 110.8 166.2

98 66.2 50.3 75.5

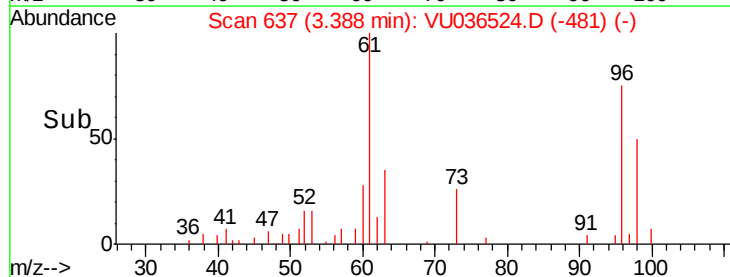
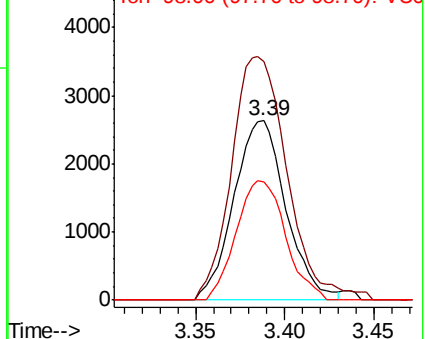


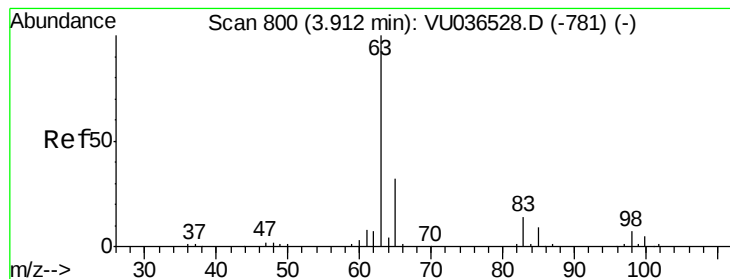
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 0.462 ug/l

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

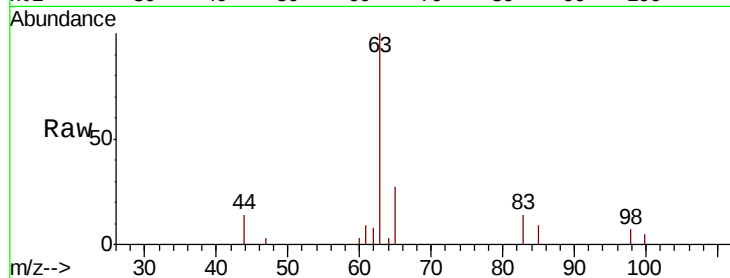
Tot Ion: 63 Resp: 9037

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

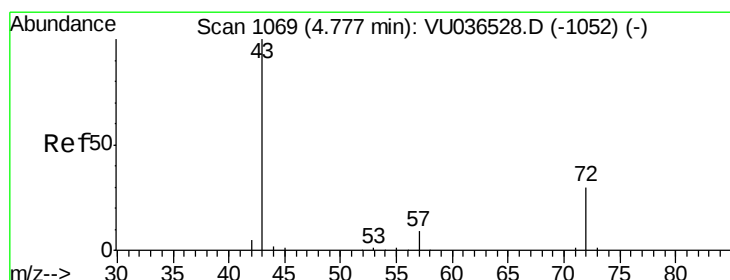
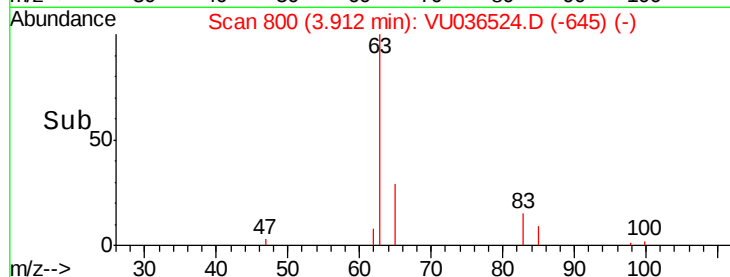
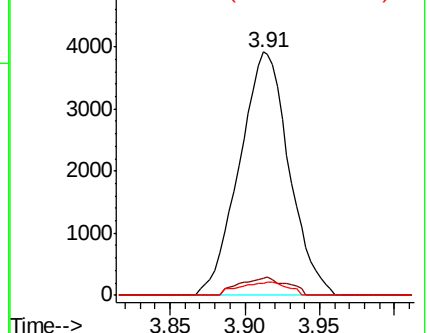
100 5.0 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU036528.D (-781) (-)

Ion 98.00 (97.70 to 98.70): VU036528.D (-781) (-)

Ion 100.00 (99.70 to 100.70): VU036528.D (-781) (-)



#18

2-Butanone

Concen: 1.833 ug/l

RT: 4.79 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VU036524.D

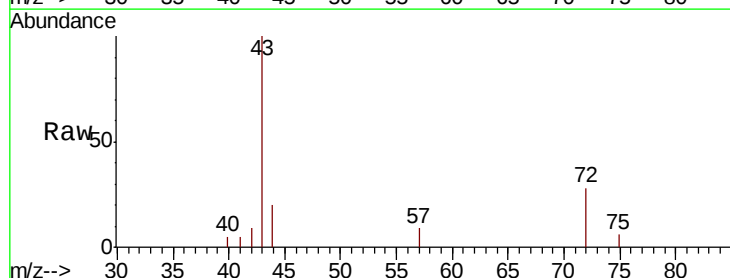
Acq: 22 Jan 2020 14:24

Tgt Ion: 43 Resp: 6493

Ion Ratio Lower Upper

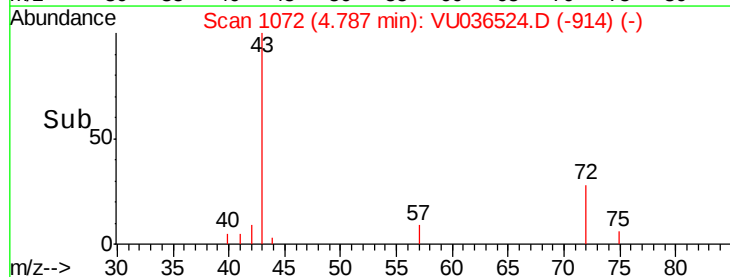
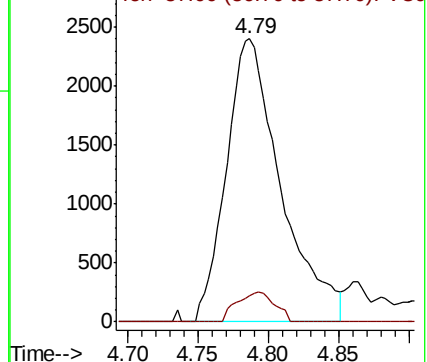
43 100

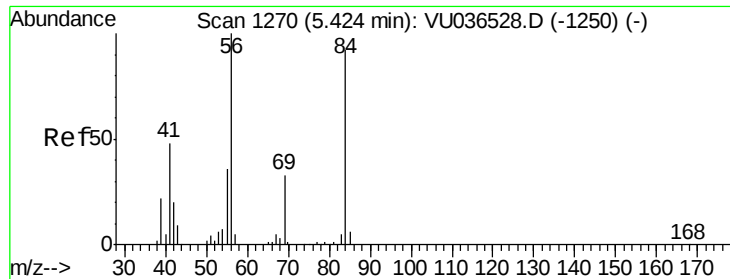
57 9.2 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-1052) (-)

Ion 57.00 (56.70 to 57.70): VU036528.D (-1052) (-)

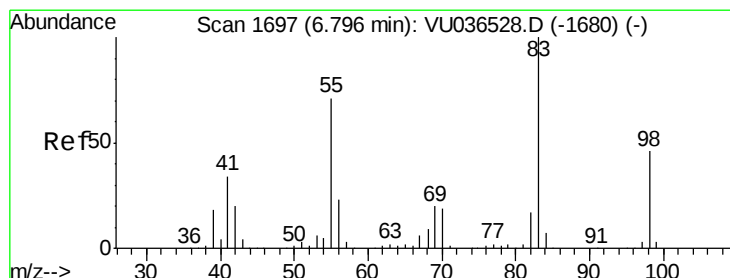
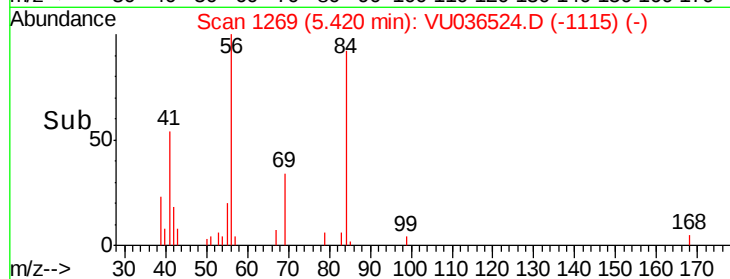
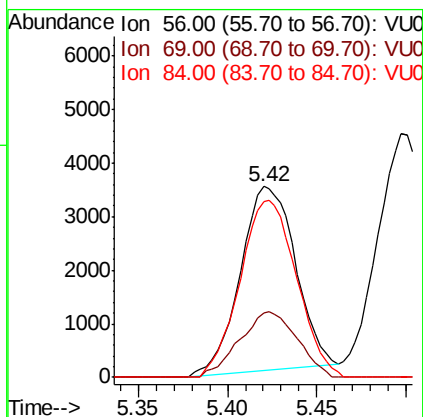
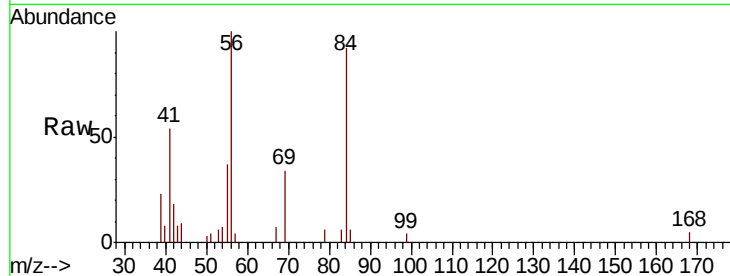




#19
Cyclohexane
Concen: 0.389 ug/l
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

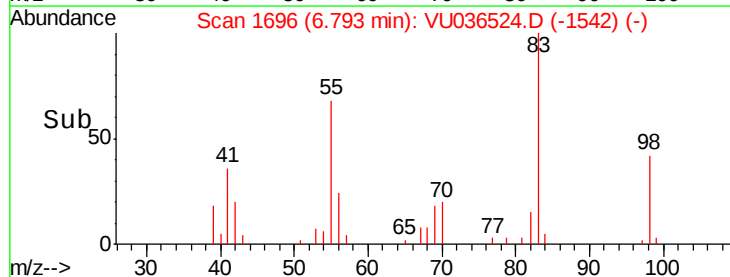
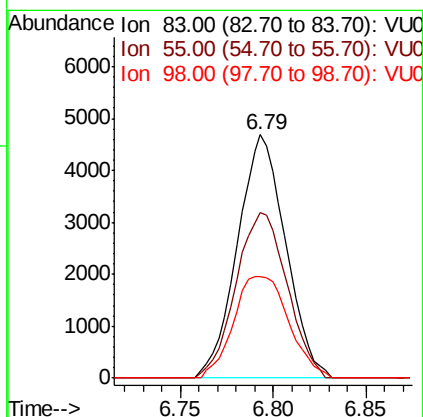
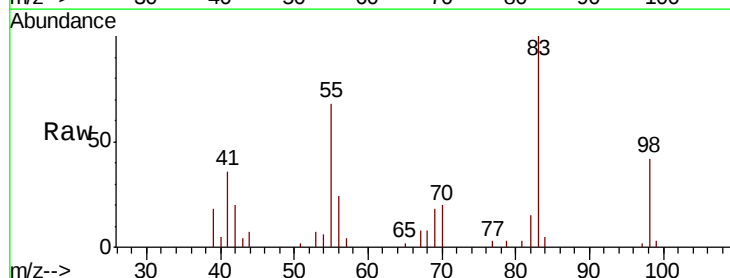
Instrument :
MSVOA_U
ClientSampleId :

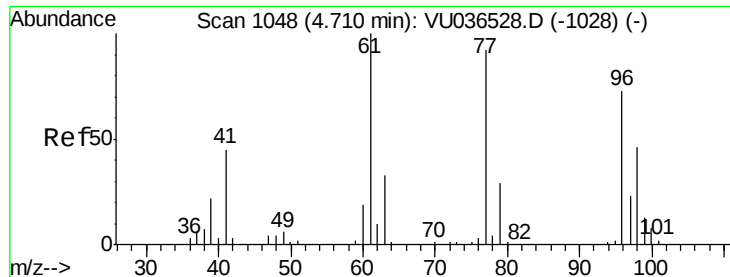
Tot Ion: 56 Resp: 7395
Ion Ratio Lower Upper
56 100
69 37.3 26.2 39.2
84 99.0 72.8 109.2



#20
Methylcyclohexane
Concen: 0.448 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 83 Resp: 8440
Ion Ratio Lower Upper
83 100
55 72.2 56.6 85.0
98 47.9 37.5 56.3

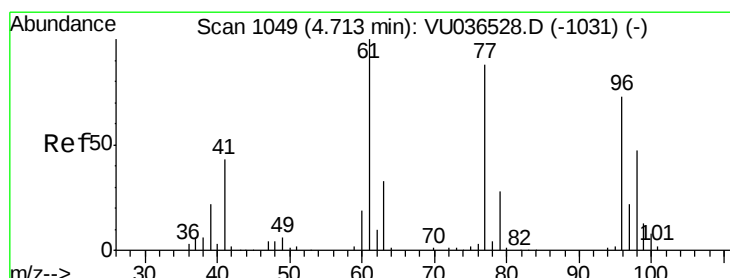
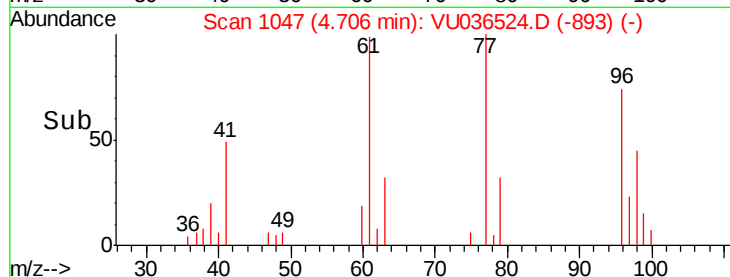
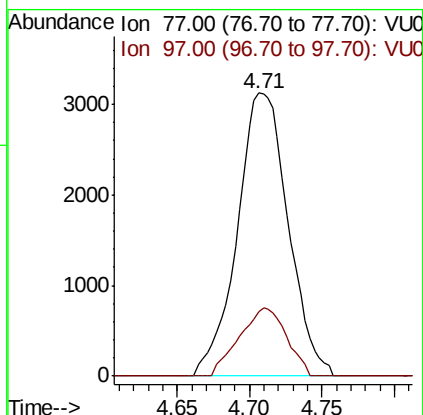
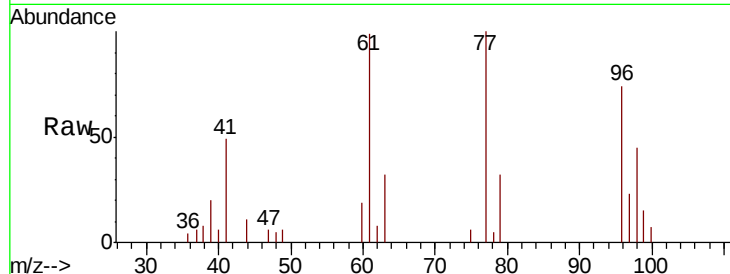




#21
 2,2-Dichloropropane
 Concen: 0.431 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

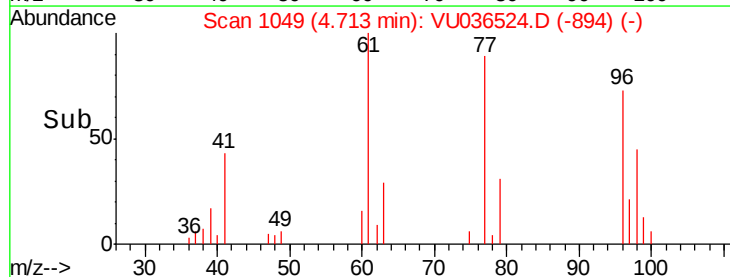
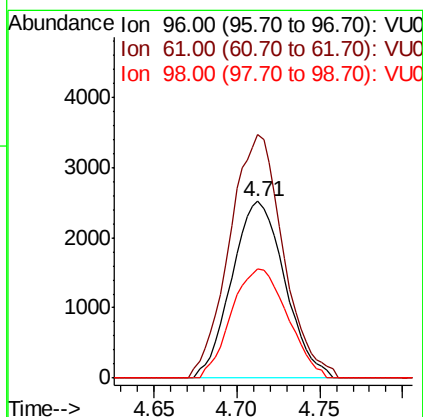
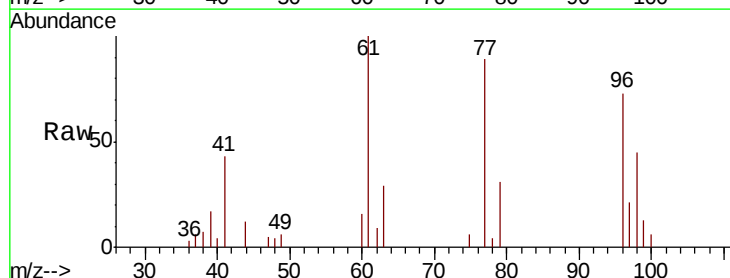
Instrument :
 MSVOA_U
 ClientSampled :

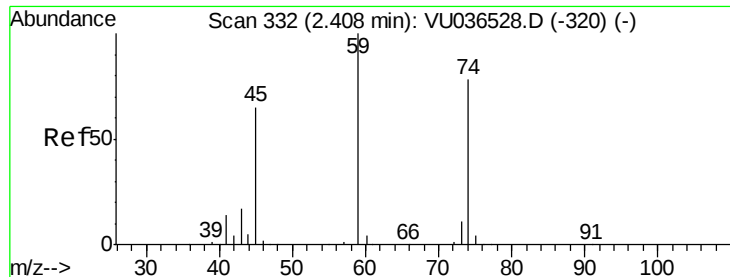
Tot Ion: 77 Resp: 7622
 Ion Ratio Lower Upper
 77 100
 97 22.3 19.0 28.4



#22
 cis-1,2-Dichloroethene
 Concen: 0.506 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion: 96 Resp: 5603
 Ion Ratio Lower Upper
 96 100
 61 139.2 0.0 342.0
 98 65.0 32.0 96.0

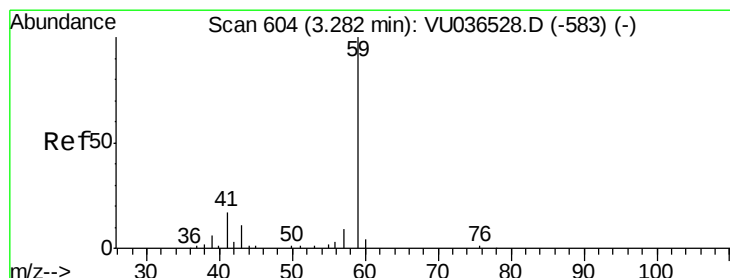
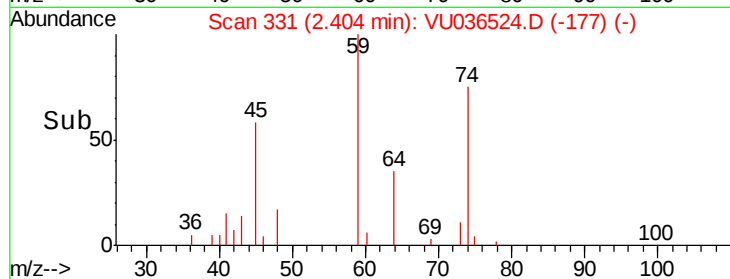
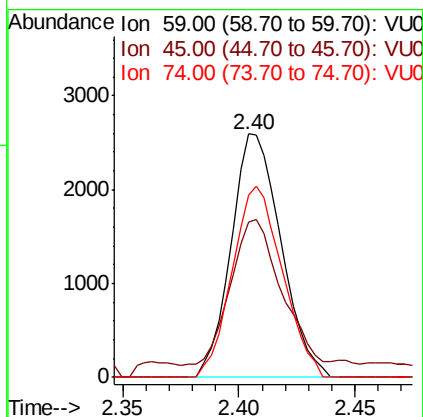
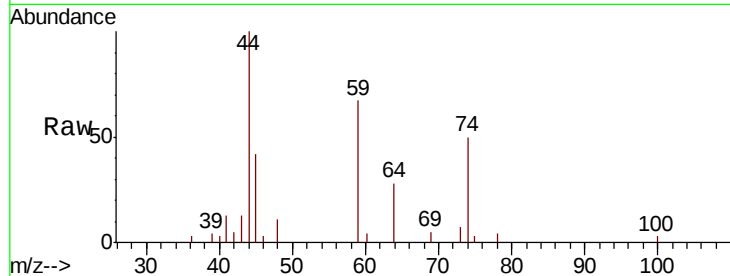




#23
Diethyl Ether
Concen: 0.455 ug/l
RT: 2.40 min Scan# 331
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

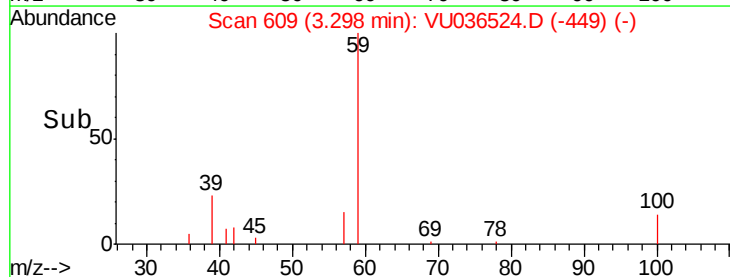
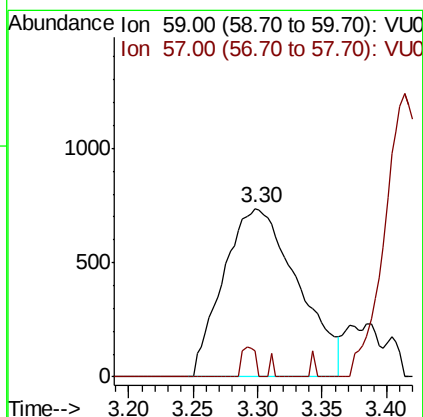
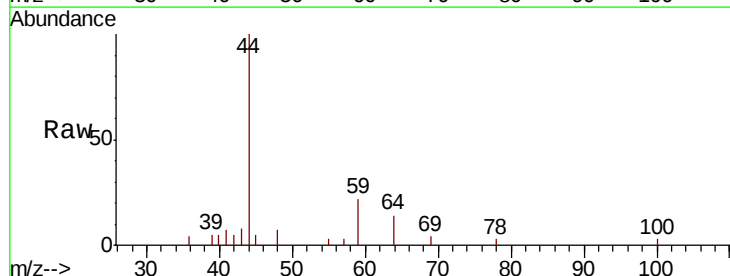
Instrument :
MSVOA_U
ClientSampleId :

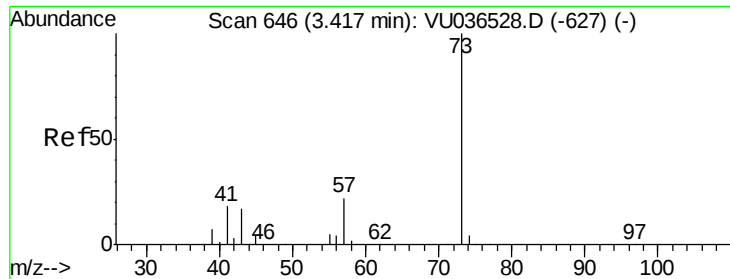
Tot Ion: 59 Resp: 3875
Ion Ratio Lower Upper
59 100
45 61.0 52.4 78.6
74 78.7 62.1 93.1



#24
tert-Butyl Alcohol
Concen: 3.360 ug/l
RT: 3.30 min Scan# 609
Delta R.T. 0.02 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 59 Resp: 2963
Ion Ratio Lower Upper
59 100
57 3.2 8.4 12.6#



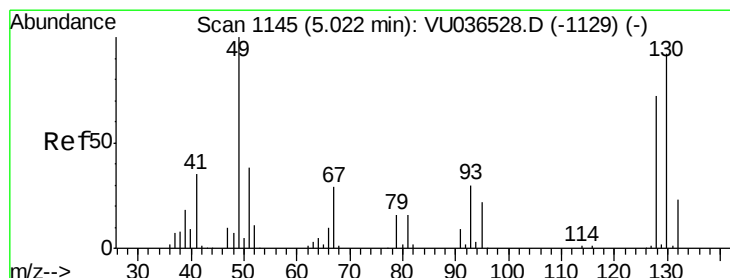
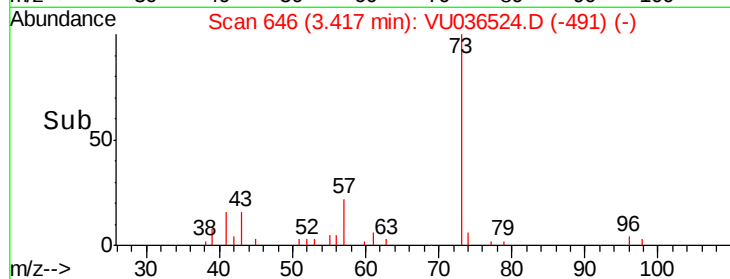
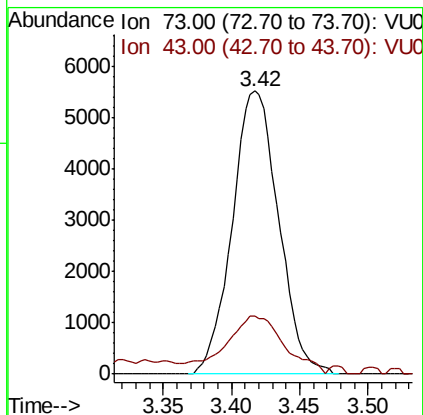
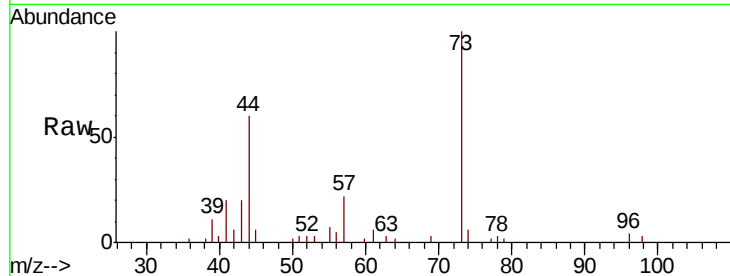


#25

Methvl tert-Butvl Ether
 Concen: 0.435 ug/l
 RT: 3.42 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleId :

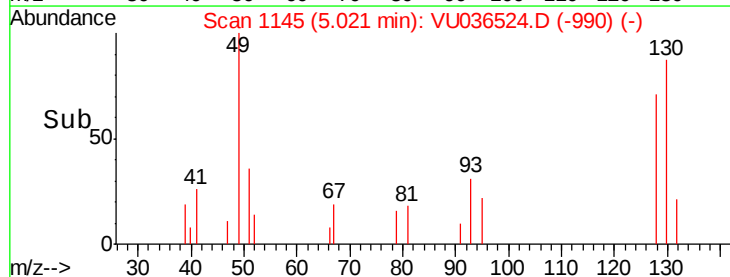
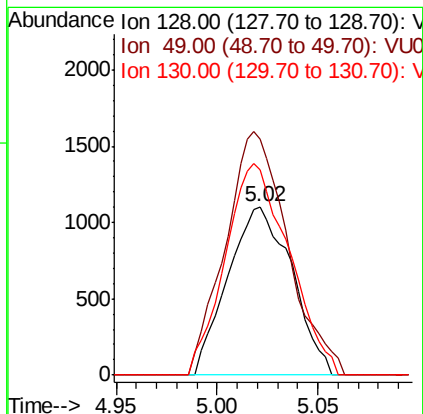
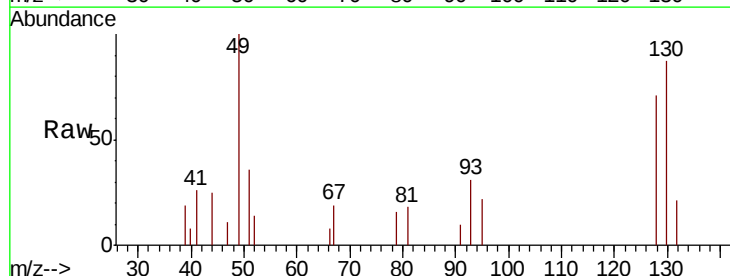
Tot Ion: 73 Resp: 13003
 Ion Ratio Lower Upper
 73 100
 43 26.4 14.5 21.7#

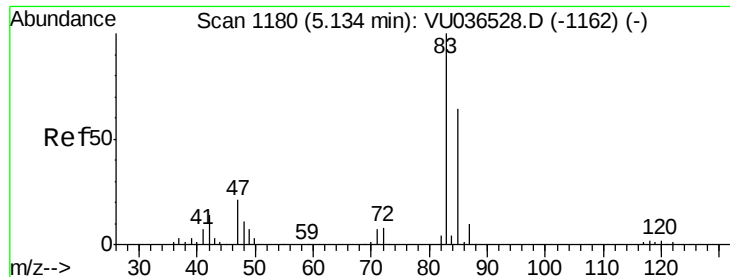


#26

Bromochloromethane
 Concen: 0.550 ug/l
 RT: 5.02 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion: 128 Resp: 2441
 Ion Ratio Lower Upper
 128 100
 49 140.8 0.0 286.2
 130 125.2 104.3 156.5

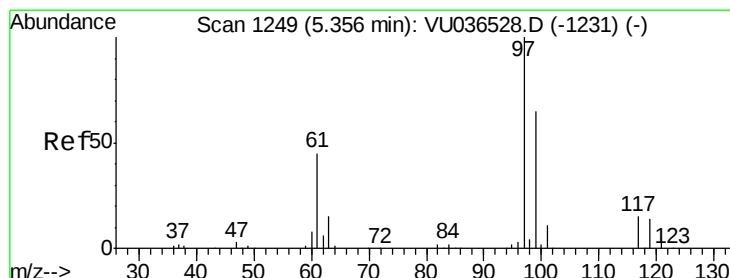
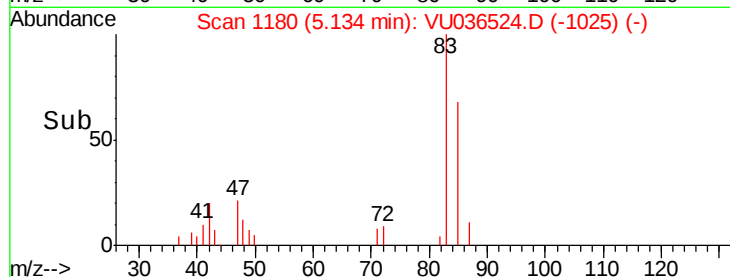
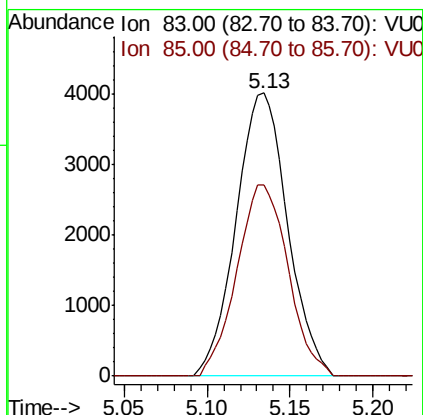
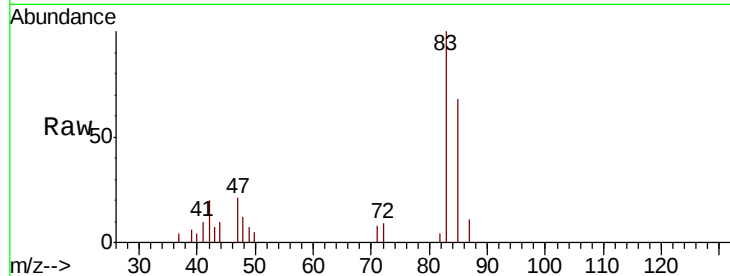




#27
Chloroform
Concen: 0.447 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

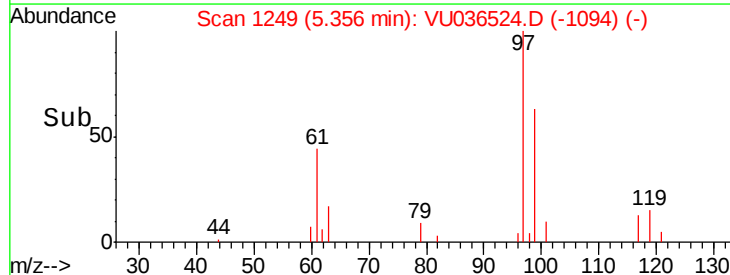
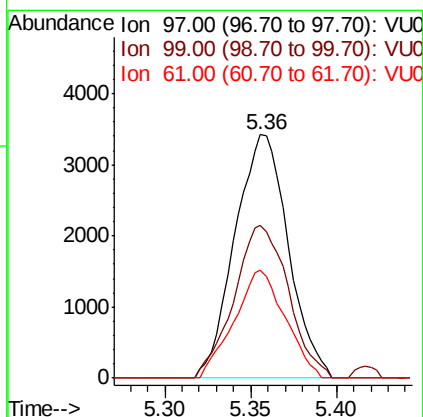
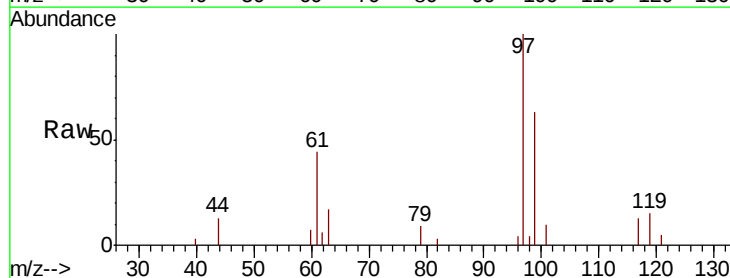
Instrument :
MSVOA_U
ClientSampled :

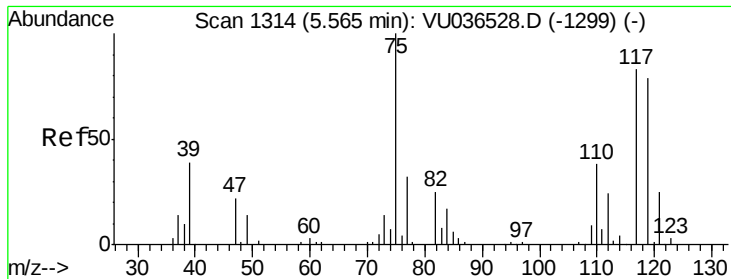
Tot Ion: 83 Resp: 8700
Ion Ratio Lower Upper
83 100
85 67.6 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 0.429 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 97 Resp: 7387
Ion Ratio Lower Upper
97 100
99 63.6 32.1 96.3
61 42.3 22.7 68.0

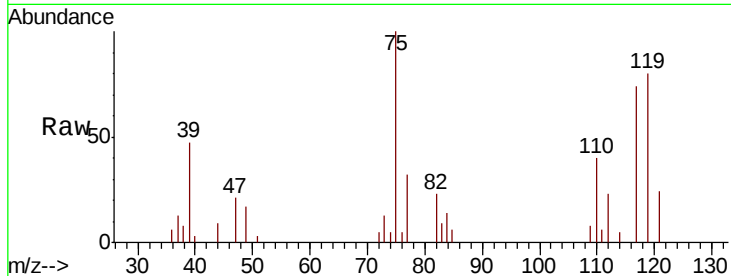




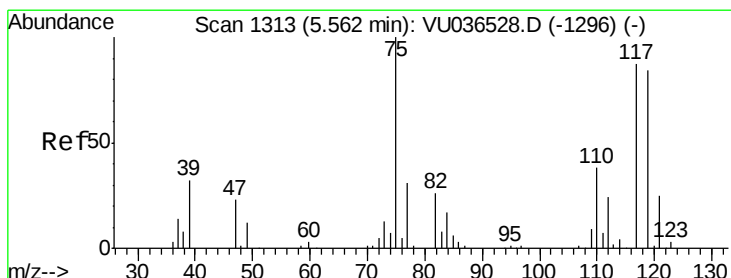
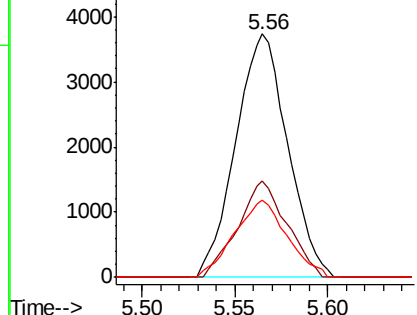
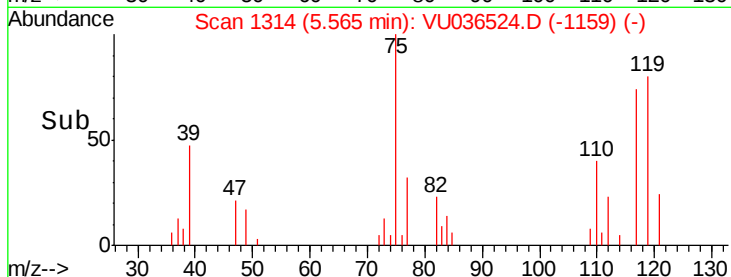
#29
 1,1-Dichloropropene
 Concen: 0.463 ug/l
 RT: 5.56 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleID :

Tot Ion: 75 Resp: 7288
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.6 55.8
 77 32.1 25.0 37.4

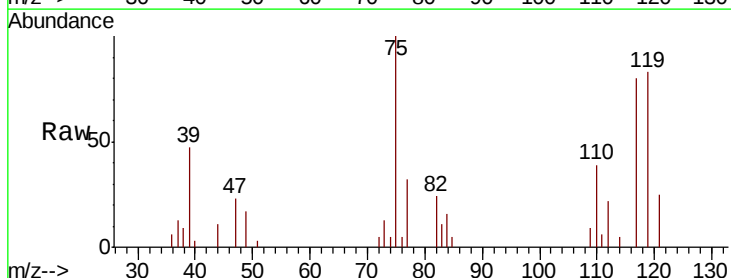


Abundance Ion 75.00 (74.70 to 75.70): VU036524.D (-1159) (-)
 Ion 110.00 (109.70 to 110.70): VU036524.D (-1159) (-)
 Ion 77.00 (76.70 to 77.70): VU036524.D (-1159) (-)

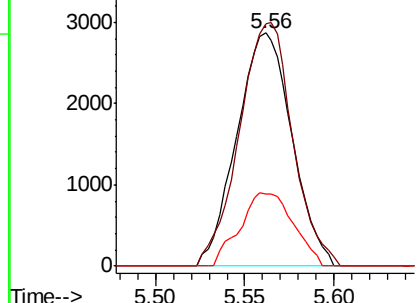
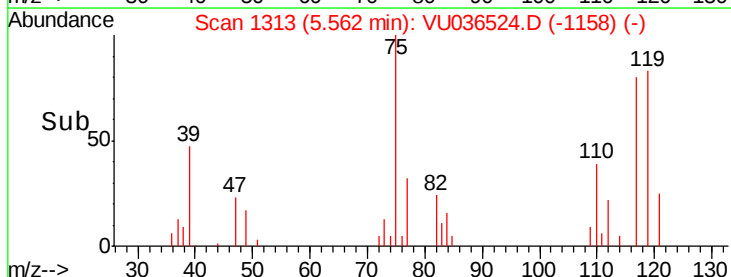


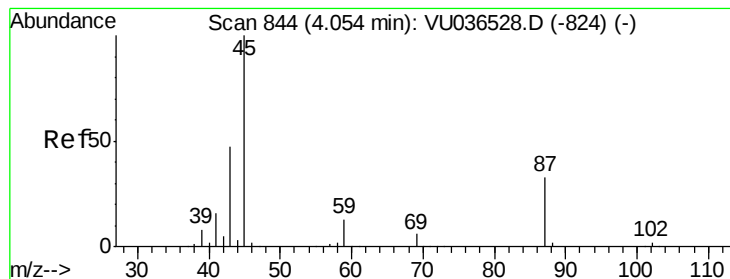
#30
 Carbon Tetrachloride
 Concen: 0.426 ug/l
 RT: 5.56 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion: 117 Resp: 6171
 Ion Ratio Lower Upper
 117 100
 119 103.7 77.0 115.6
 121 31.0 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): VU036524.D (-1158) (-)
 Ion 119.00 (118.70 to 119.70): VU036524.D (-1158) (-)
 Ion 121.00 (120.70 to 121.70): VU036524.D (-1158) (-)





#31

Isopropyl Ether

Concen: 0.407 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

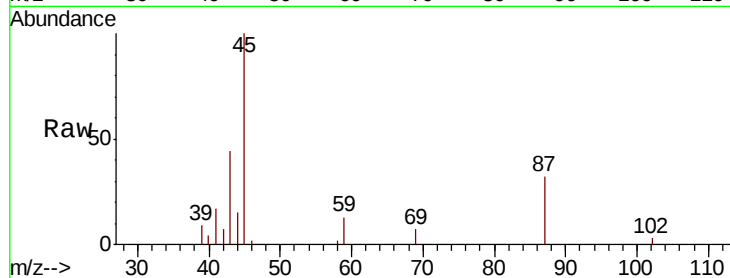
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 45 Resp: 13395

Ion Ratio Lower Upper

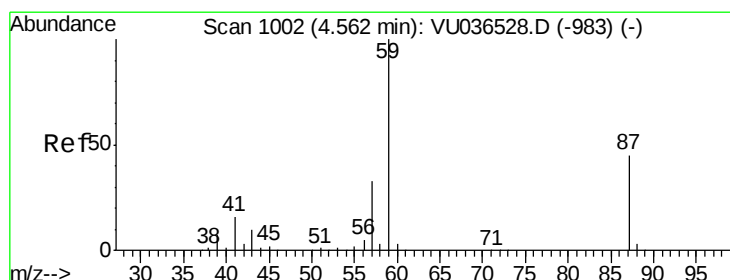
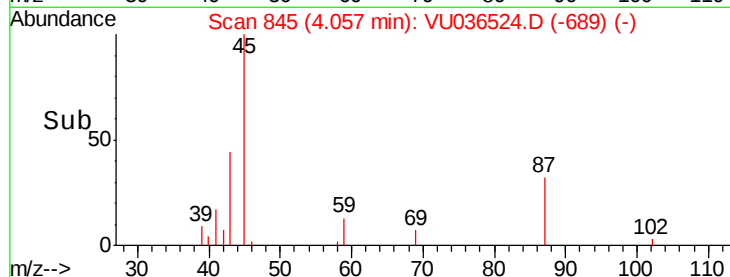
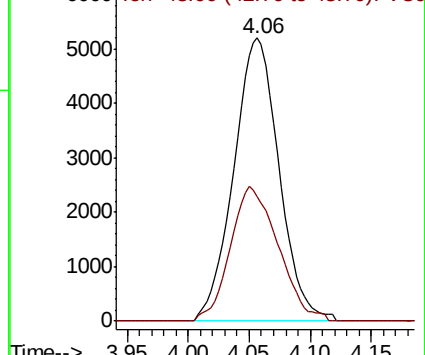
45 100

43 50.3 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU036528.D (-824) (-)

Ion 43.00 (42.70 to 43.70): VU036528.D (-824) (-)



#32

Ethyl-t-butyl ether

Concen: 0.440 ug/l

RT: 4.56 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VU036524.D

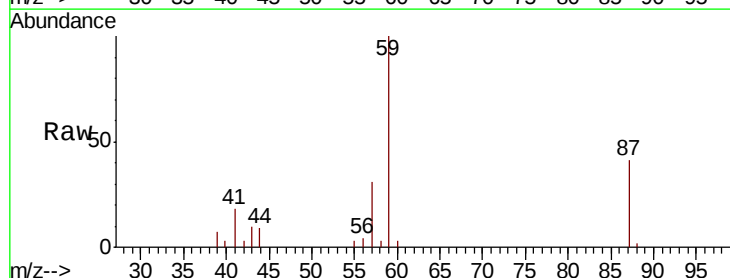
Acq: 22 Jan 2020 14:24

Tgt Ion: 59 Resp: 14151

Ion Ratio Lower Upper

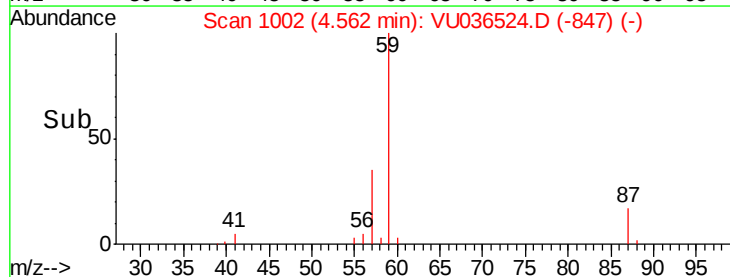
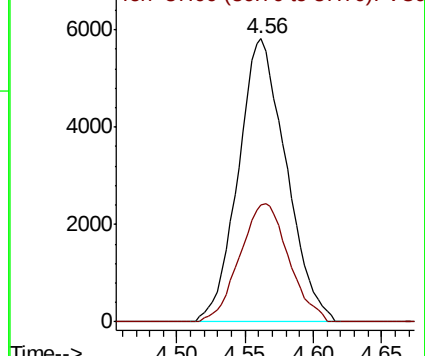
59 100

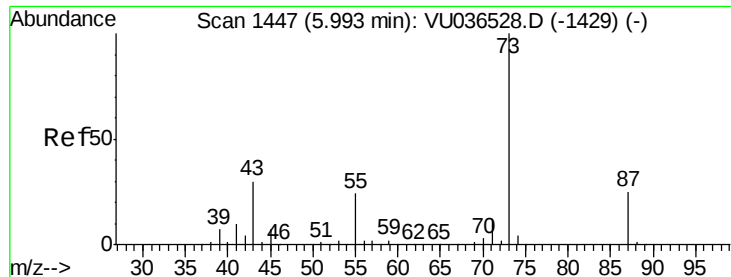
87 42.7 35.1 52.7



Abundance Ion 59.00 (58.70 to 59.70): VU036528.D (-983) (-)

Ion 87.00 (86.70 to 87.70): VU036528.D (-983) (-)



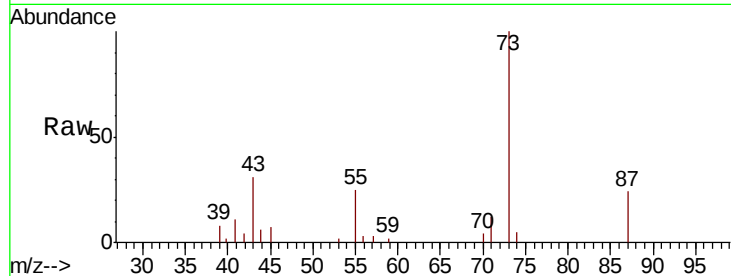


#33

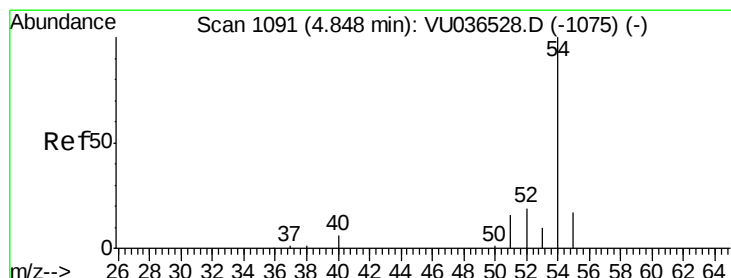
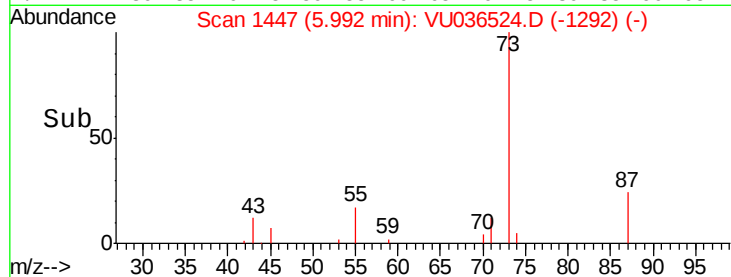
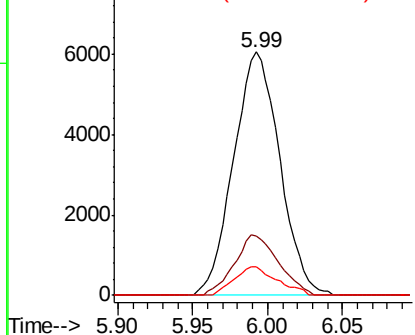
Tert-Butyl methyl ether
Concen: 0.446 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 13031
Ion Ratio Lower Upper
73 100
87 23.5 19.8 29.6
71 10.9 9.1 13.7



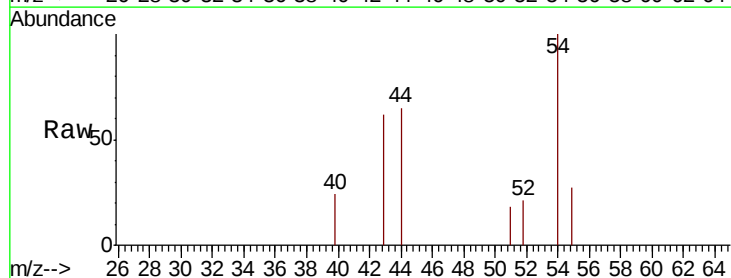
Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



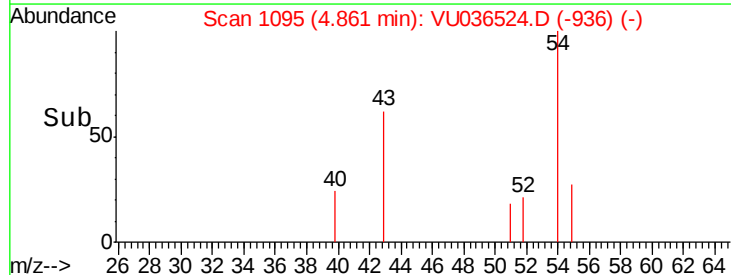
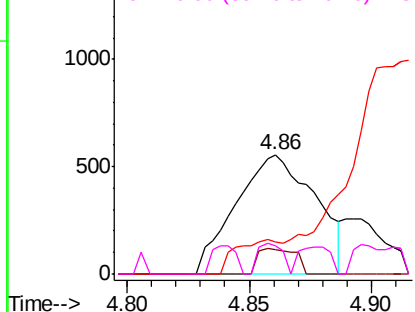
#34

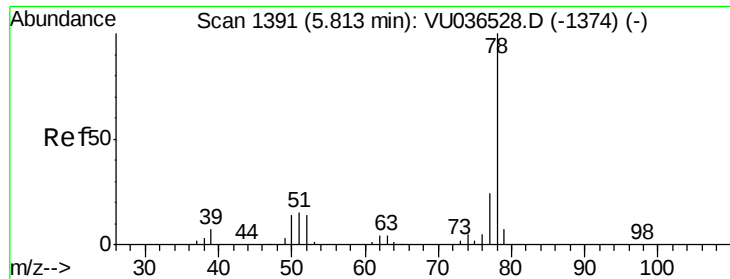
Propionitrile
Concen: 1.420 ug/l
RT: 4.86 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 54 Resp: 1255
Ion Ratio Lower Upper
54 100
52 10.1 15.2 22.8#
55 16.9 9.5 14.3#
40 7.8 4.6 6.8#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.481 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

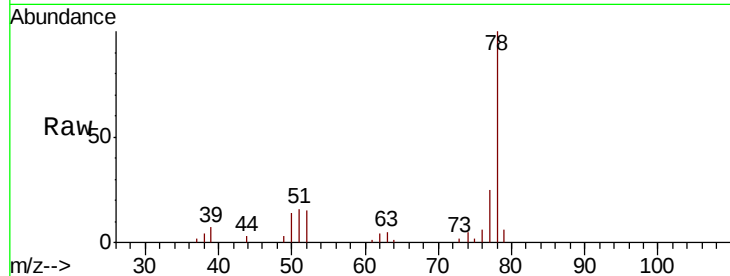
ClientSampled :

Tot Ion: 78 Resp: 21150

Ion Ratio Lower Upper

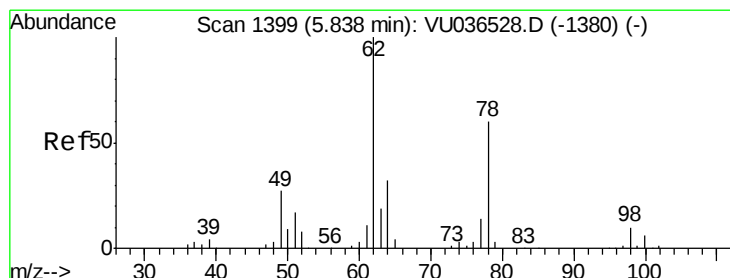
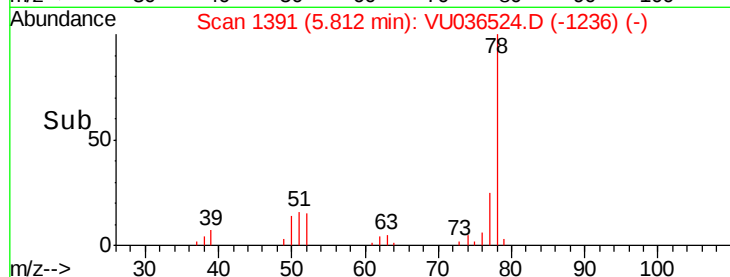
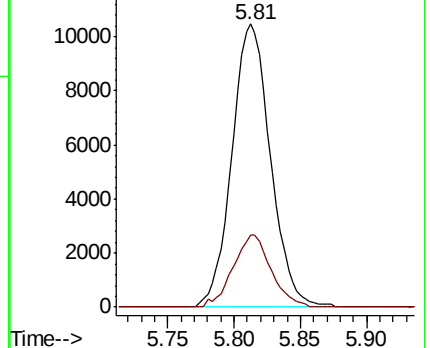
78 100

77 25.4 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VU036524.D (-1236) (-)

Ion 77.00 (76.70 to 77.70): VU036524.D (-1236) (-)



#36

1,2-Dichloroethane

Concen: 0.398 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU036524.D

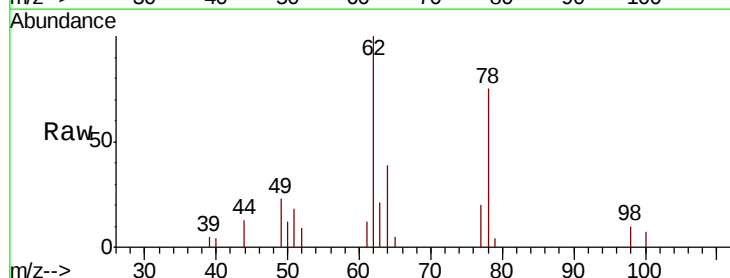
Acq: 22 Jan 2020 14:24

Tgt Ion: 62 Resp: 5604

Ion Ratio Lower Upper

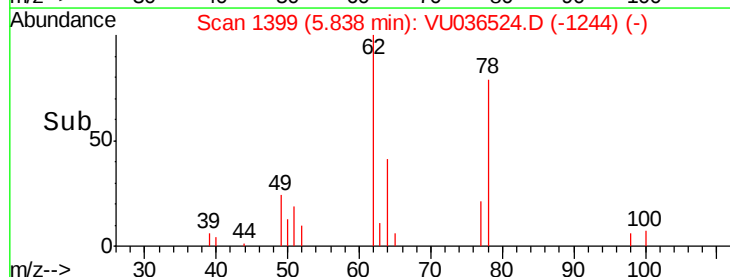
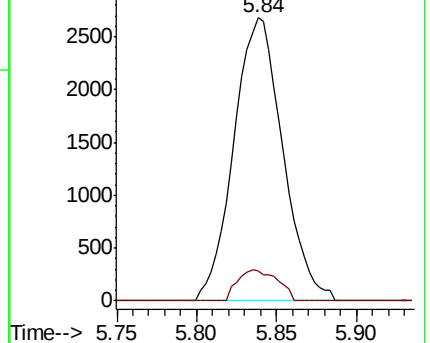
62 100

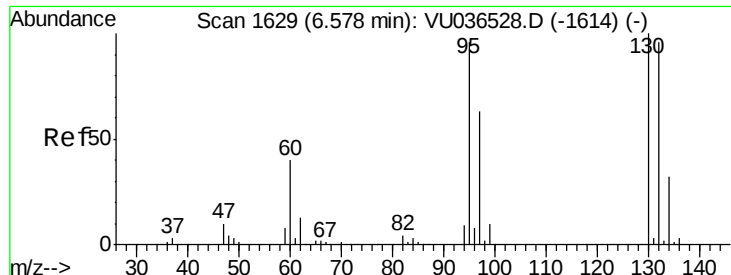
98 8.9 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU036524.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VU036524.D (-1244) (-)

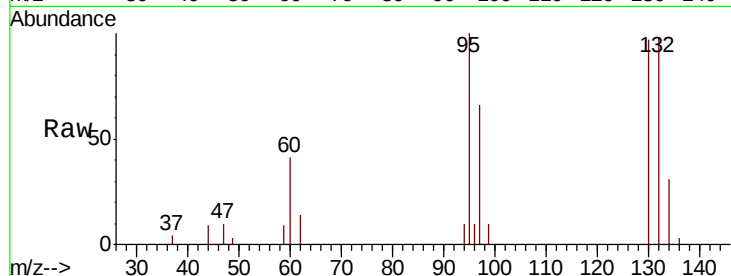




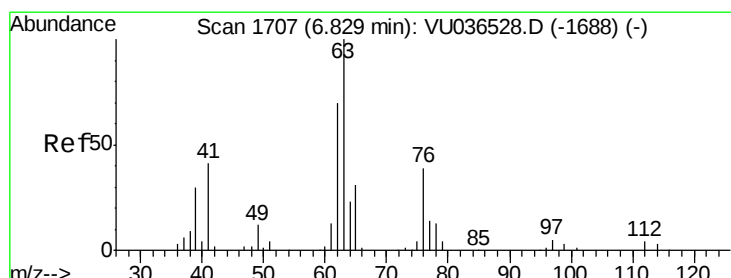
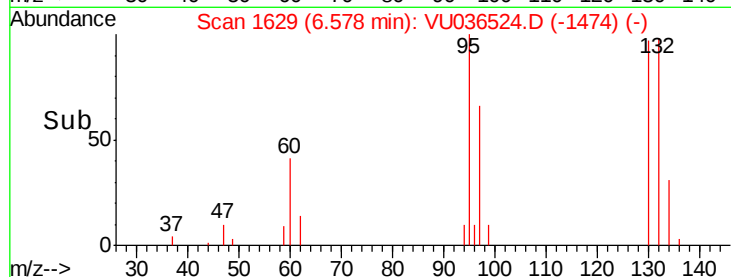
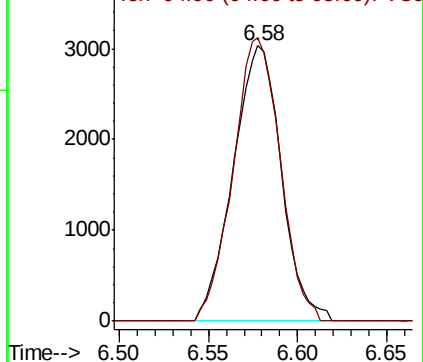
#37
 Trichloroethene
 Concen: 0.533 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 5698
 Ion Ratio Lower Upper
 130 100
 95 102.7 77.0 115.4

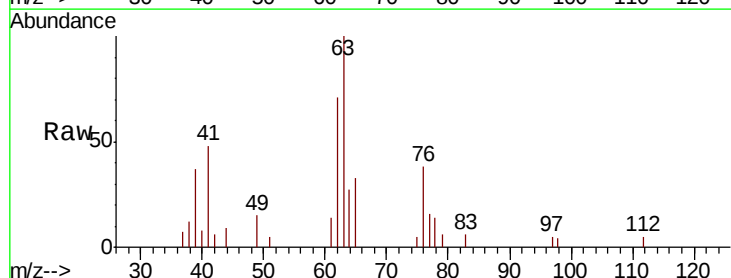


Abundance Ion 129.90 (129.60 to 130.60): VU036524.D (-1614) (-)
 Ion 94.90 (94.60 to 95.60): VU036524.D (-1614) (-)

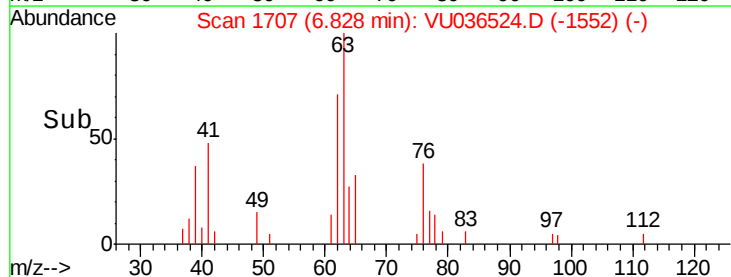
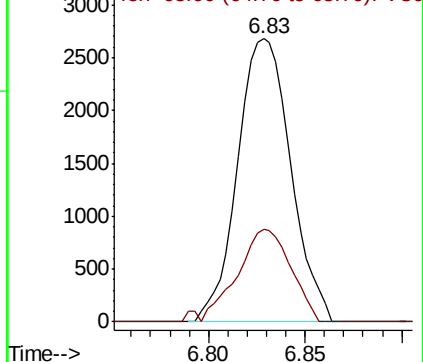


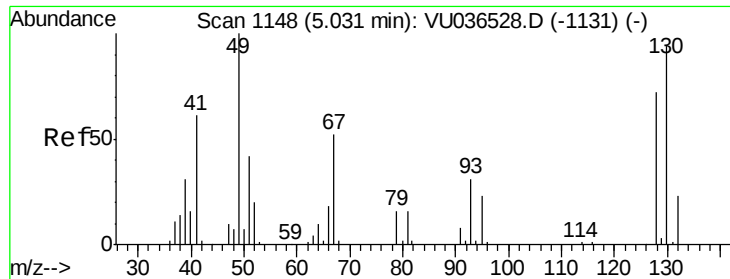
#38
 1,2-Dichloropropane
 Concen: 0.444 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion: 63 Resp: 5127
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU036524.D (-1688) (-)
 Ion 65.00 (64.70 to 65.70): VU036524.D (-1688) (-)





#39

Methacrylonitrile

Concen: 0.370 ug/l

RT: 5.04 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 41 Resp: 1551

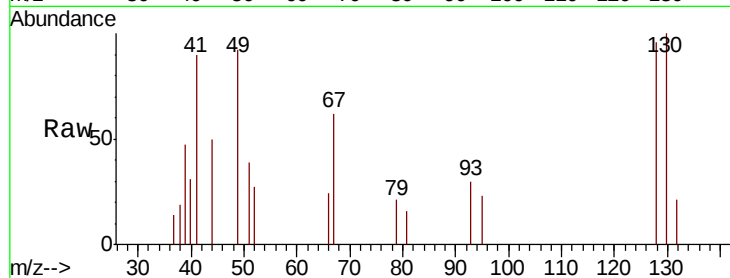
Ion Ratio Lower Upper

41 100

67 68.4 69.6 104.4#

39 52.7 41.6 62.4

52 29.3 25.9 38.9

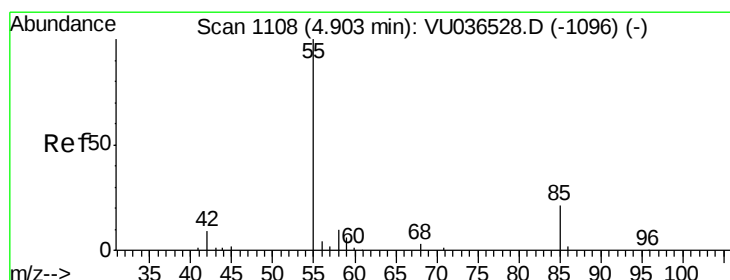
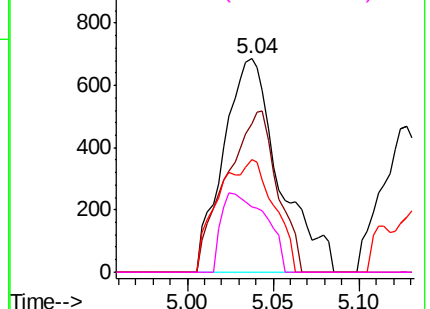
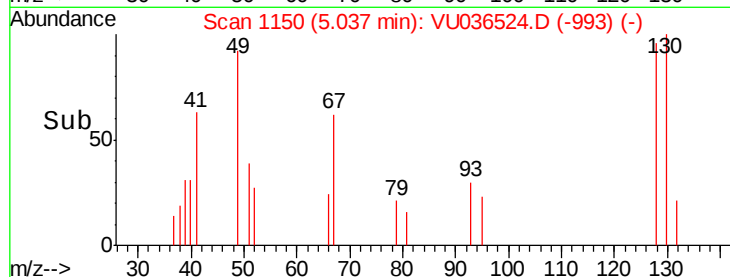


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 0.307 ug/l

RT: 4.92 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Tgt Ion: 55 Resp: 1905

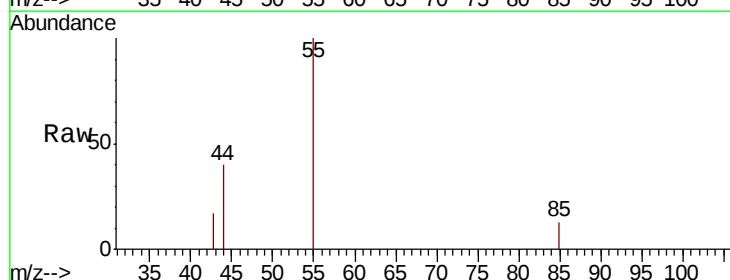
Ion Ratio Lower Upper

55 100

85 18.7 14.7 22.1

58 1.1 7.1 10.7#

42 6.7 6.9 10.3#

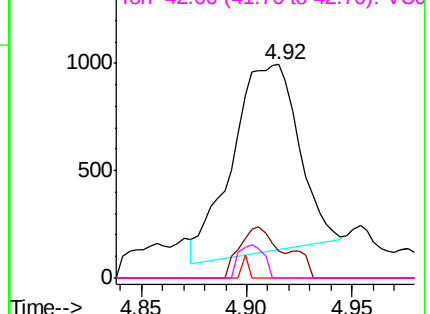
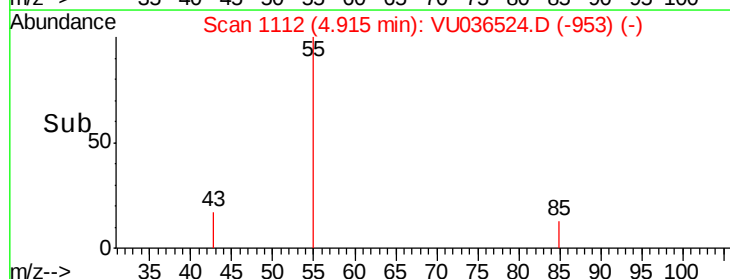


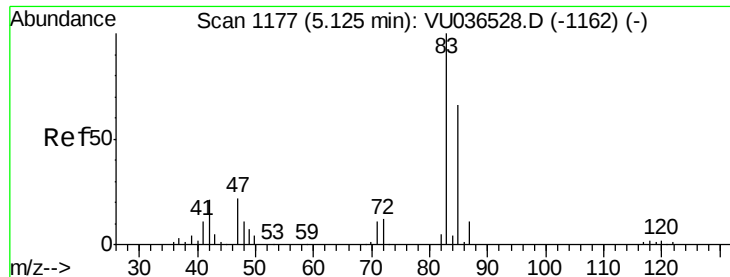
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0

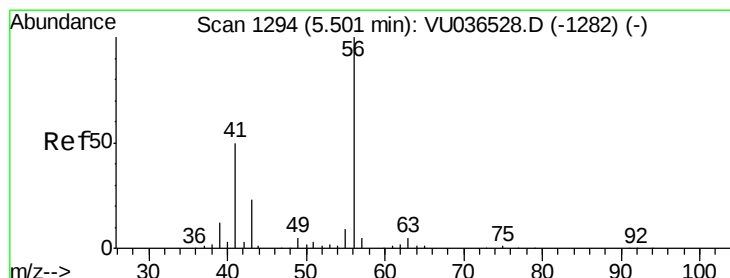
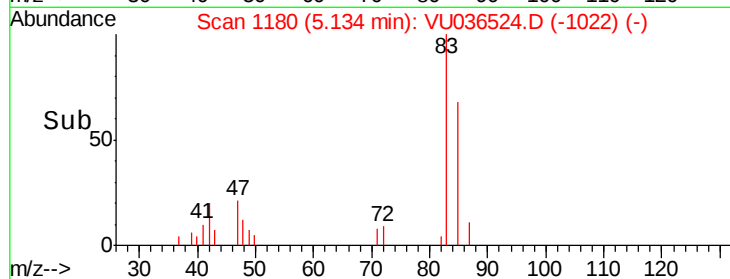
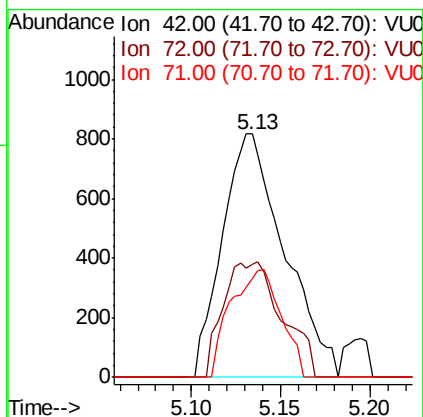
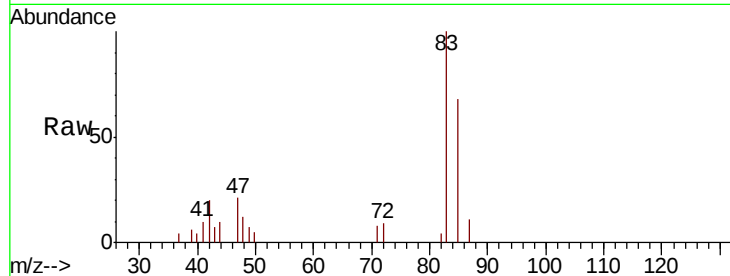




#41
Tetrahydrofuran
Concen: 0.911 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

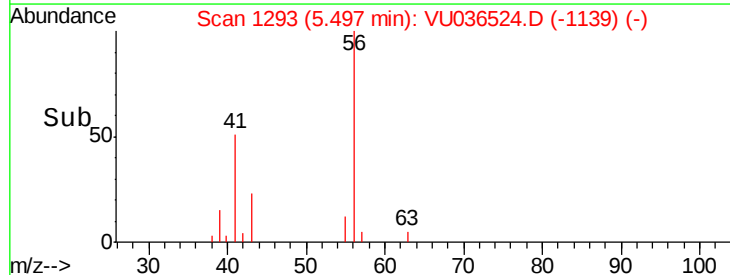
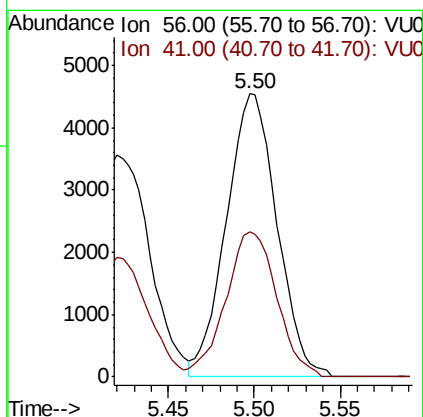
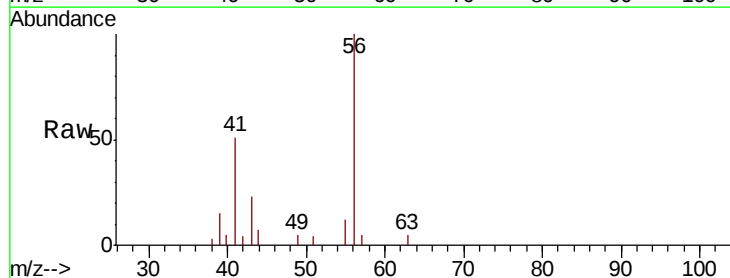
Instrument :
MSVOA_U
ClientSampled :

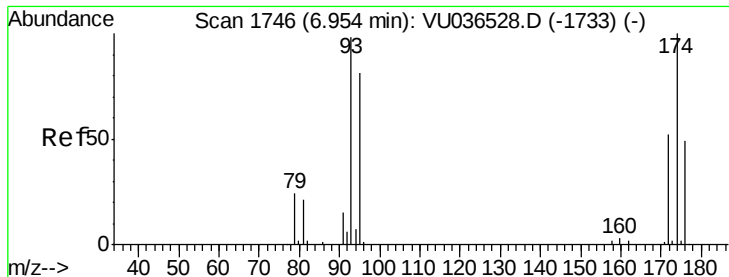
Tot Ion: 42 Resp: 1977
Ion Ratio Lower Upper
42 100
72 19.4 42.5 63.7#
71 35.9 37.3 55.9#



#42
1-Chlorobutane
Concen: 0.409 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 56 Resp: 9332
Ion Ratio Lower Upper
56 100
41 51.8 24.8 74.3

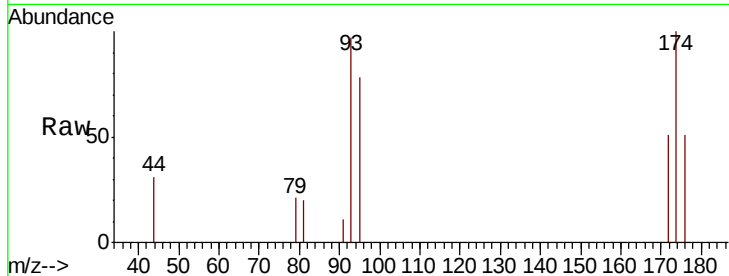




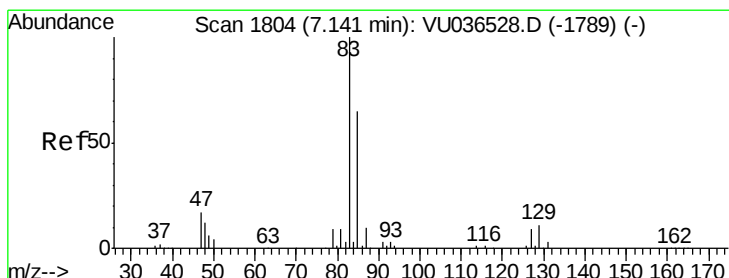
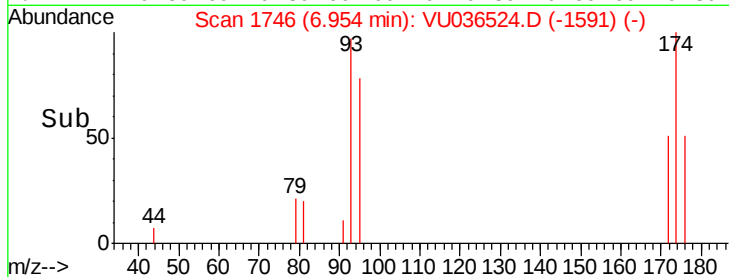
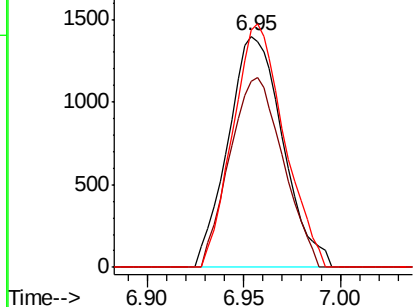
#43
Dibromomethane
Concen: 0.464 ug/l
RT: 6.95 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 93 Resp: 2754
Ion Ratio Lower Upper
93 100
95 79.8 67.9 101.9
174 98.4 83.4 125.0

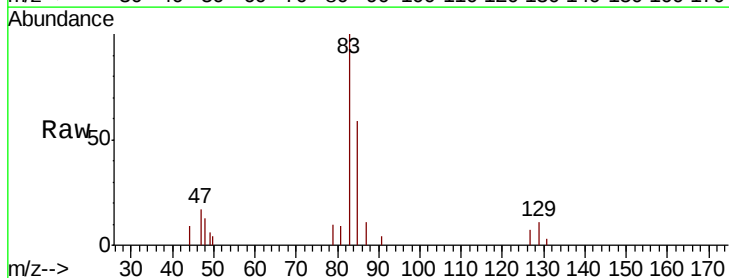


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

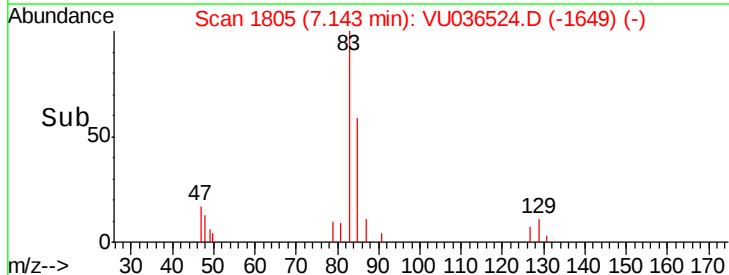
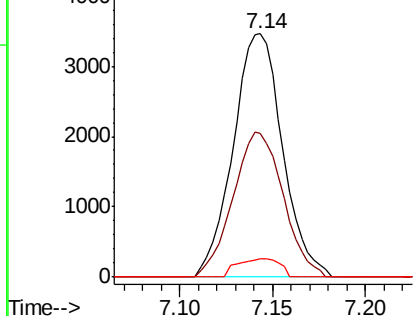


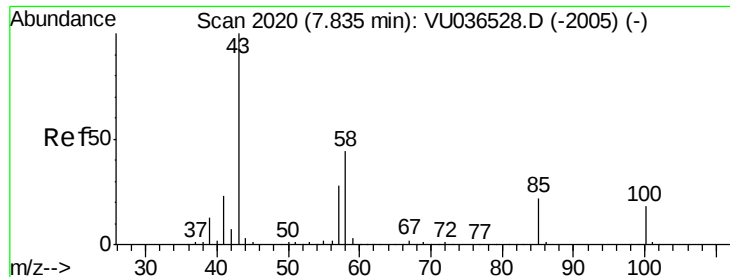
#44
Bromodichloromethane
Concen: 0.420 ug/l
RT: 7.14 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 83 Resp: 6420
Ion Ratio Lower Upper
83 100
85 59.2 51.8 77.6
127 7.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

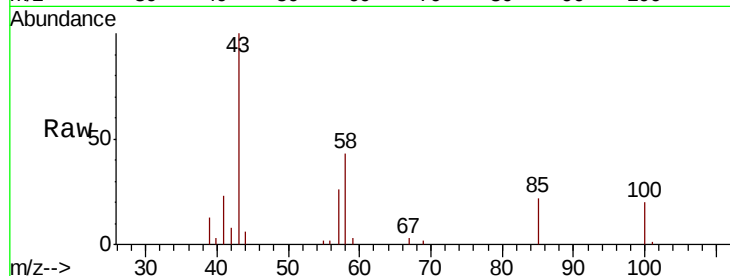




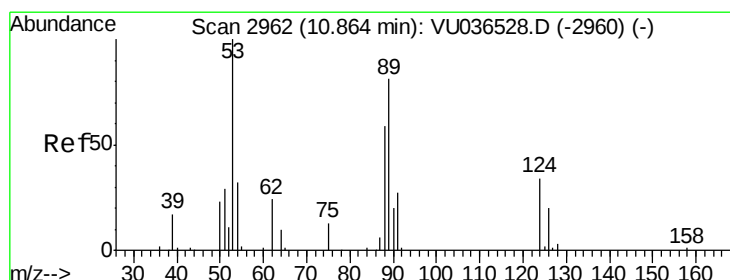
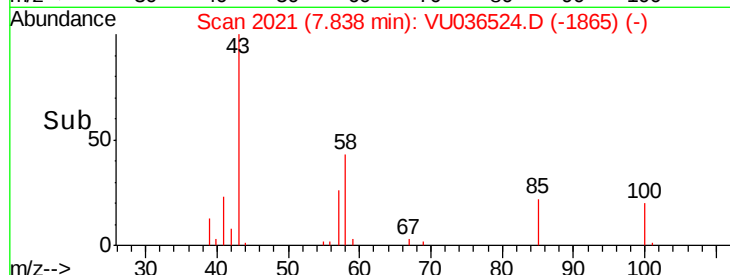
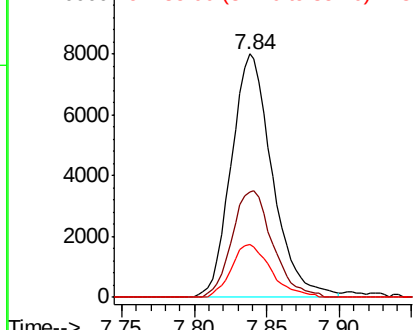
#45
4-Methyl-2-Pentanone
Concen: 1.922 ug/l
RT: 7.84 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 15775
Ion Ratio Lower Upper
43 100
58 43.2 22.1 66.1
85 21.1 17.4 26.0

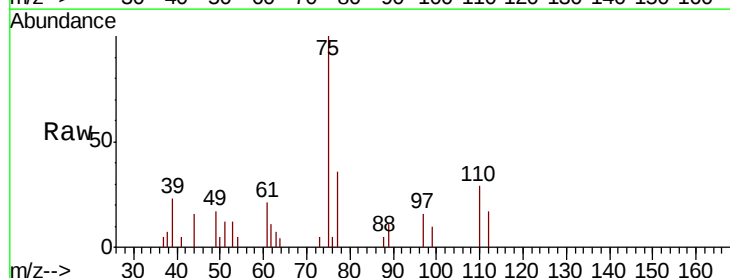


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

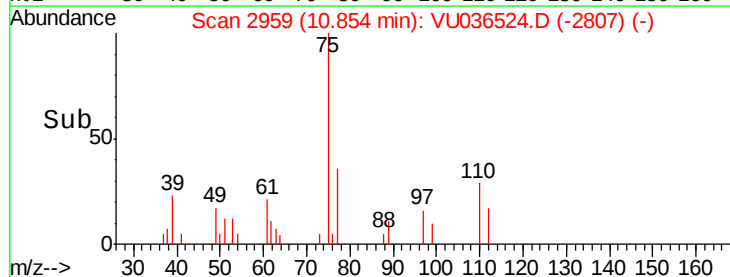
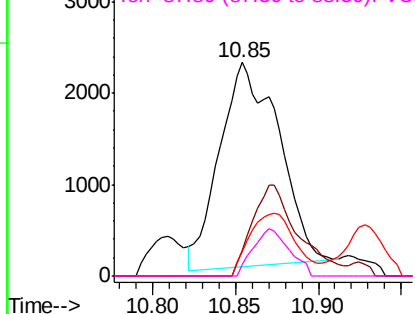


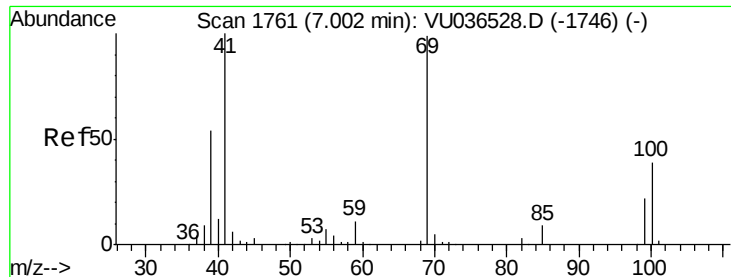
#46
t-1,4-Dichloro-2-butene
Concen: 1.666 ug/l
RT: 10.85 min Scan# 2959
Delta R.T. -0.01 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 75 Resp: 5552
Ion Ratio Lower Upper
75 100
53 35.0 52.2 78.2#
89 23.8 39.8 59.6#
88 14.1 27.4 41.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

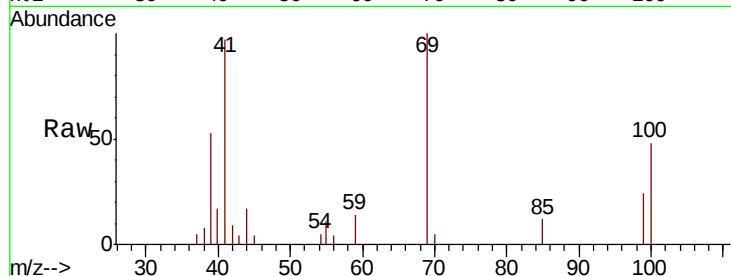




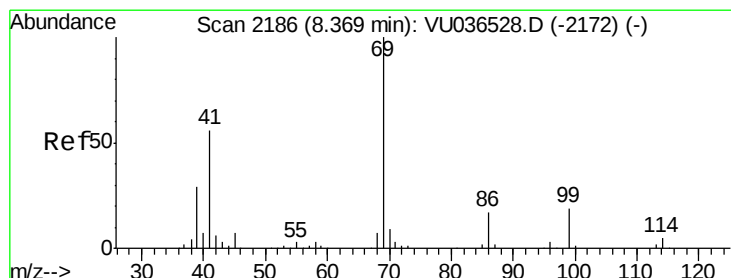
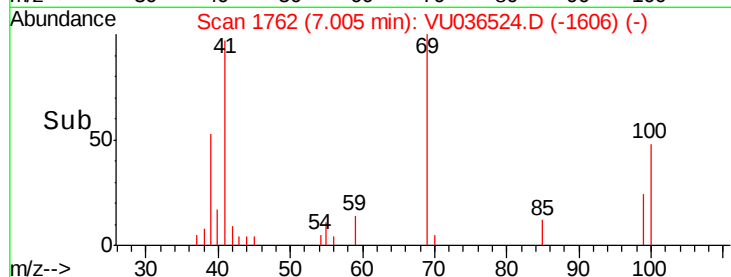
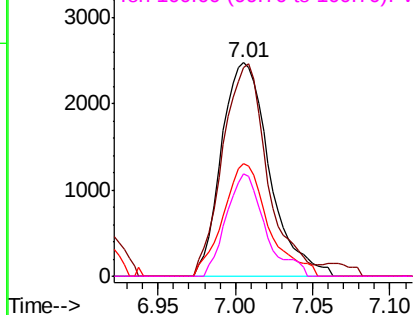
#47
Methyl methacrylate
Concen: 0.943 ug/l
RT: 7.01 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 69.00 Resp: 5340
Ion Ratio Lower Upper
69 100
41 93.1 0.0 200.8
39 49.4 43.5 65.3
100 38.5 31.1 46.7

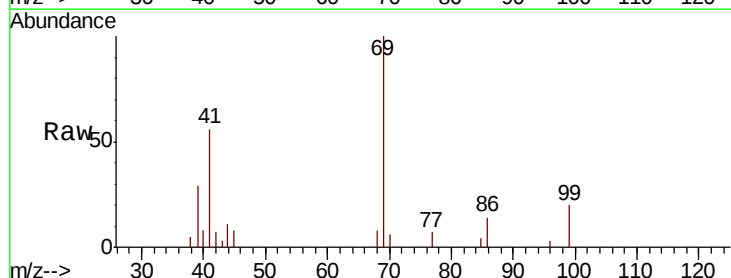


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

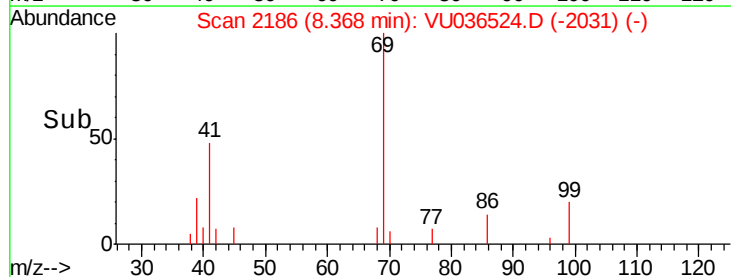
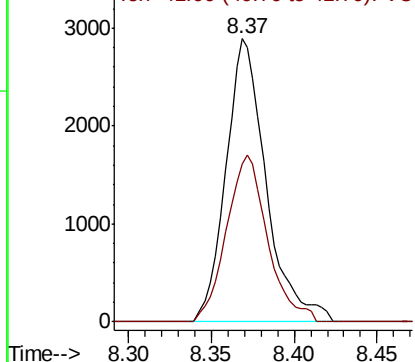


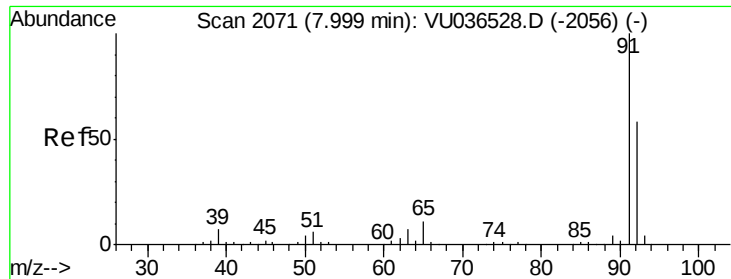
#48
Ethyl methacrylate
Concen: 0.436 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 69 Resp: 4873
Ion Ratio Lower Upper
69 100
41 60.1 27.9 83.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.497 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

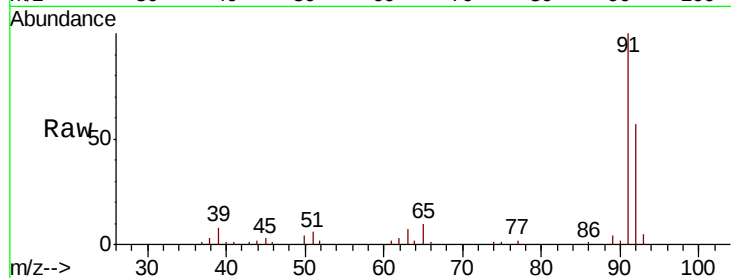
ClientSampled :

Tot Ion: 92 Resp: 13562

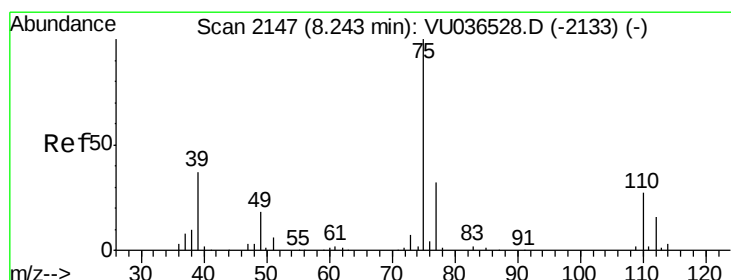
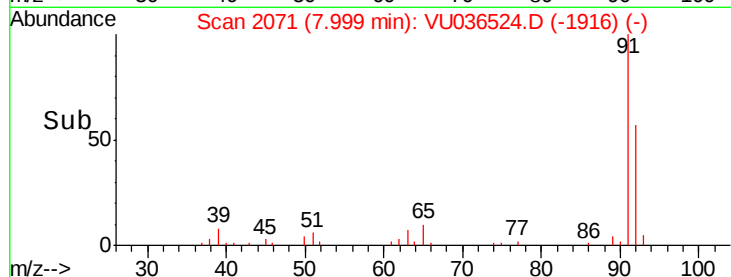
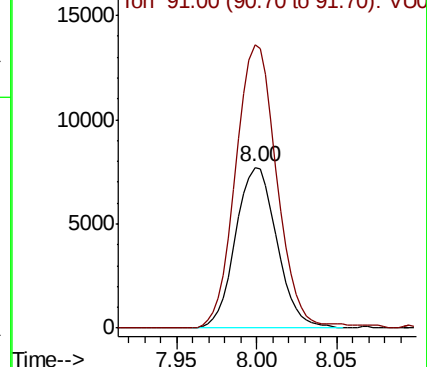
Ion Ratio Lower Upper

92 100

91 177.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VU036528.D (-2056) (-)



#50

t-1,3-Dichloropropene

Concen: 0.412 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036524.D

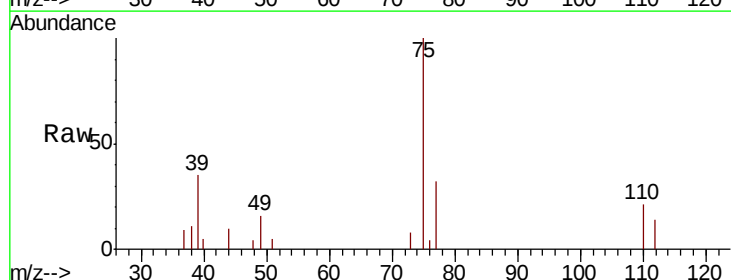
Acq: 22 Jan 2020 14:24

Tgt Ion: 75 Resp: 6182

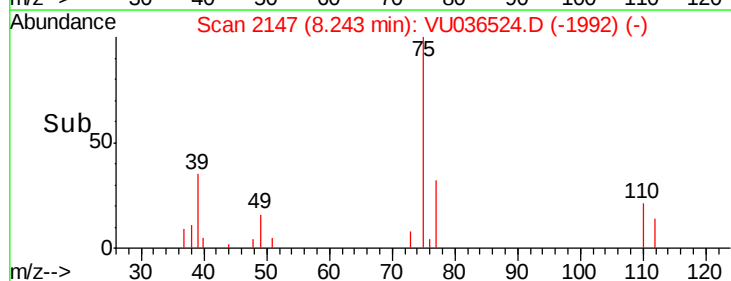
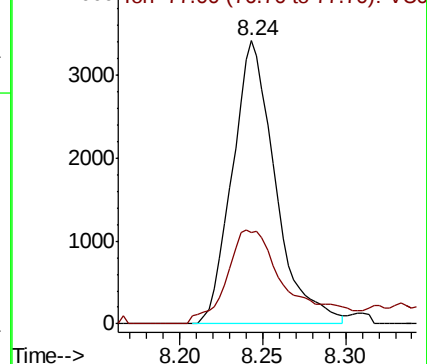
Ion Ratio Lower Upper

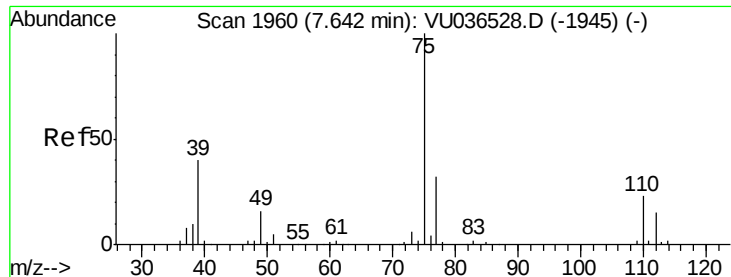
75 100

77 29.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-2133) (-)



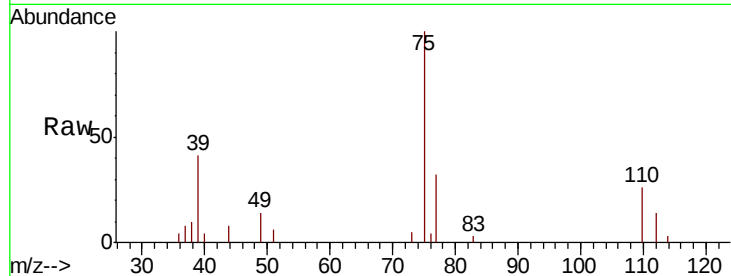


#51

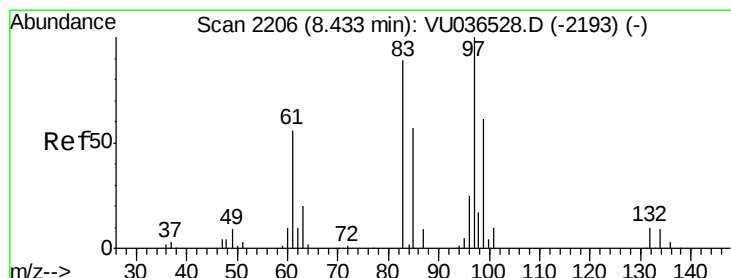
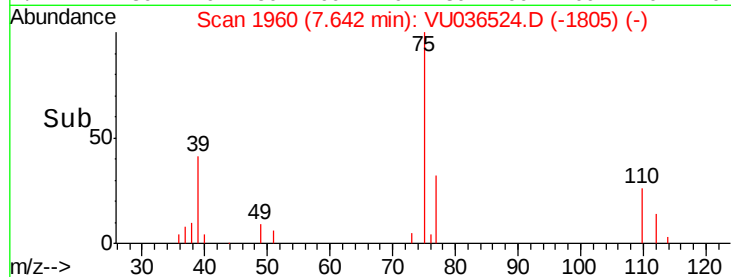
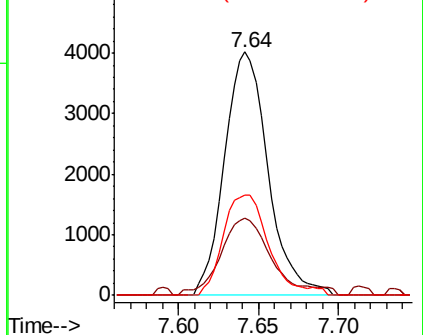
cis-1,3-Dichloropropene
Concen: 0.432 ug/l
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	41.3	31.8	47.6



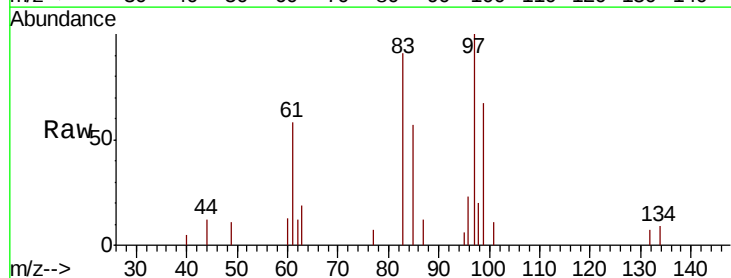
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



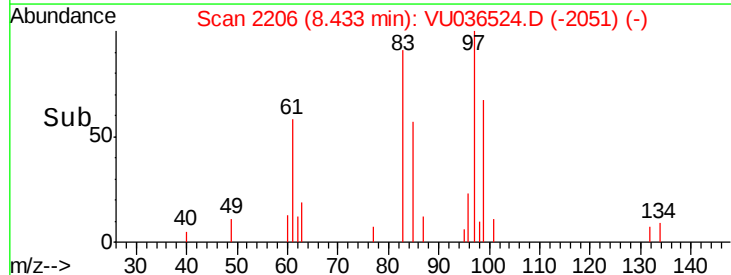
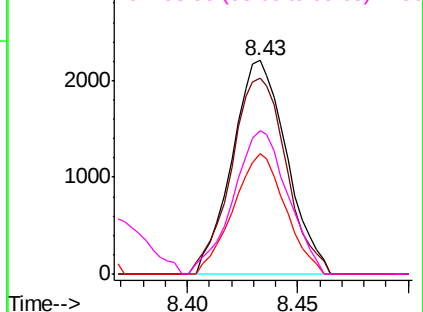
#52

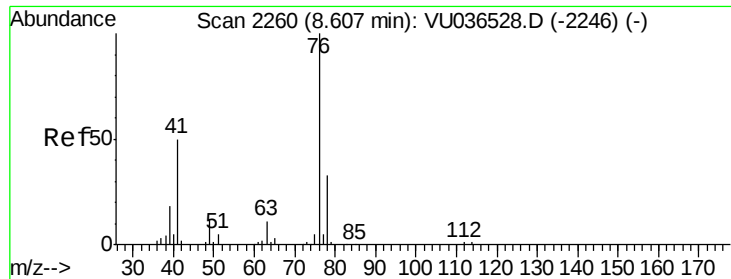
1,1,2-Trichloroethane
Concen: 0.482 ug/l
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.4	70.9	106.3
85	56.6	45.6	68.4
99	67.4	51.0	76.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 84.95 (84.65 to 85.65): VU0
Ion 98.95 (98.65 to 99.65): VU0

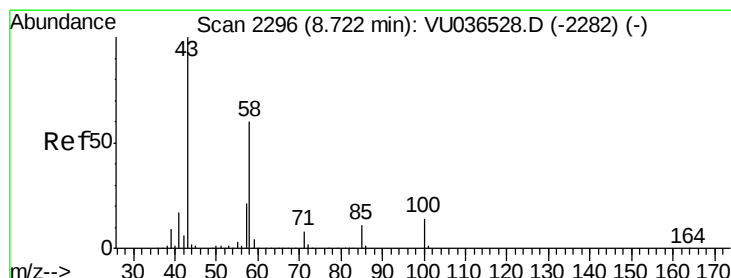
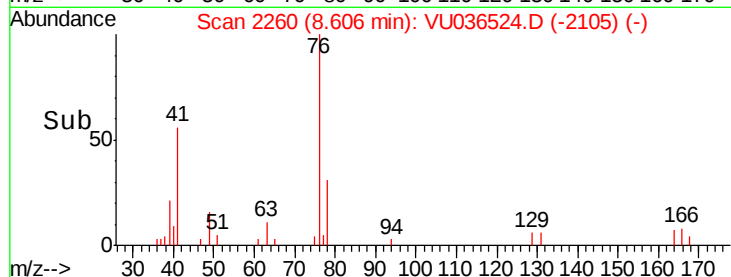
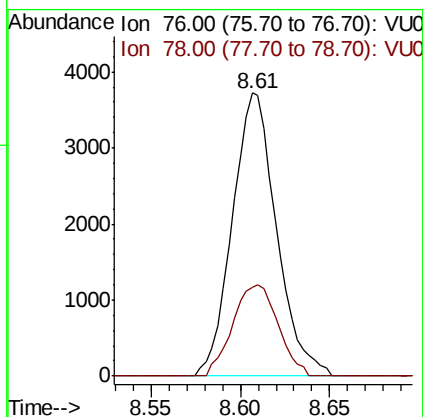
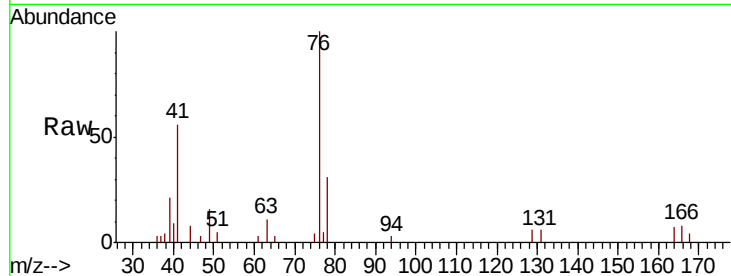




#53
 1,3-Dichloropropane
 Concen: 0.437 ug/l
 RT: 8.61 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

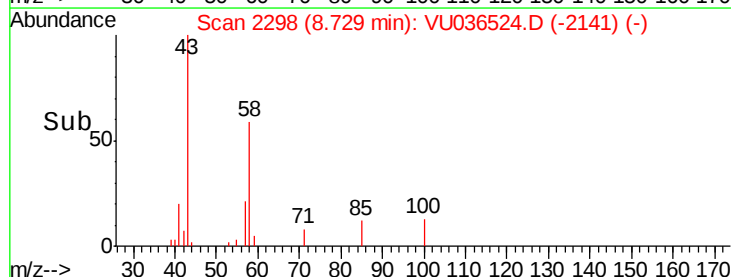
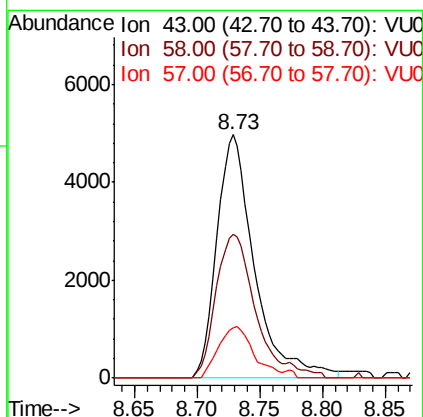
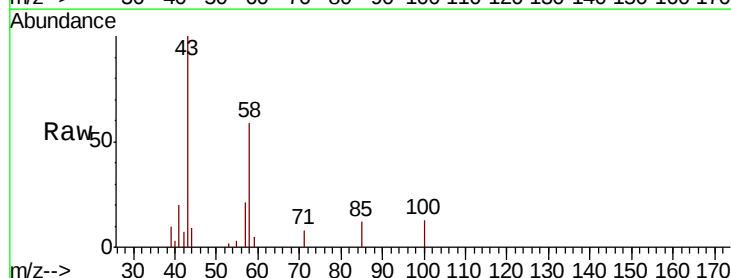
Instrument :
 MSVOA_U
 ClientSampled :

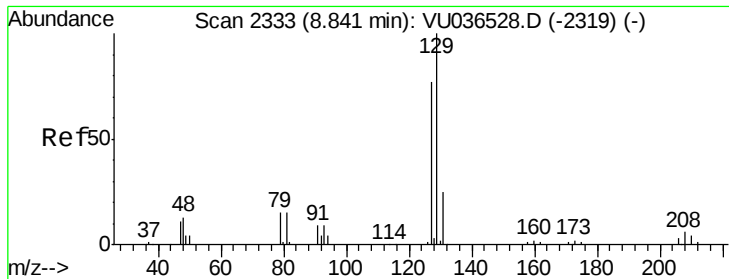
Tot Ion: 76 Resp: 6414
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.4 38.2



#54
 2-Hexanone
 Concen: 1.836 ug/l
 RT: 8.73 min Scan# 2298
 Delta R.T. 0.01 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion: 43 Resp: 10375
 Ion Ratio Lower Upper
 43 100
 58 62.2 40.6 80.6
 57 19.8 1.2 41.2

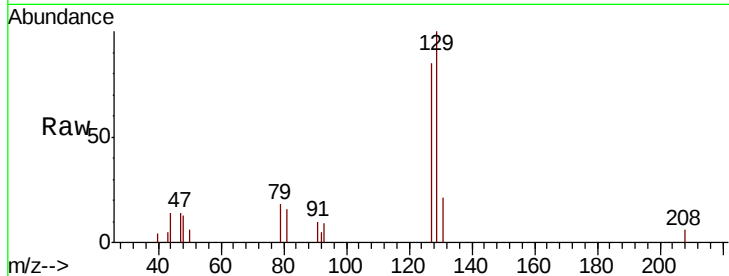




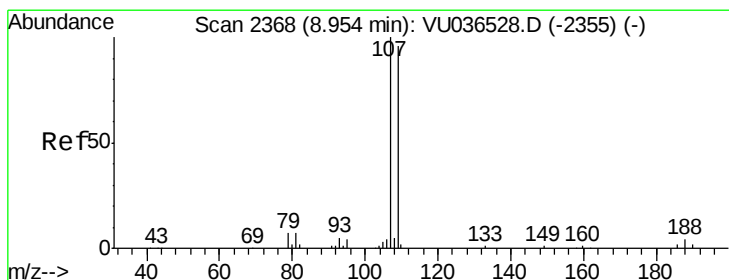
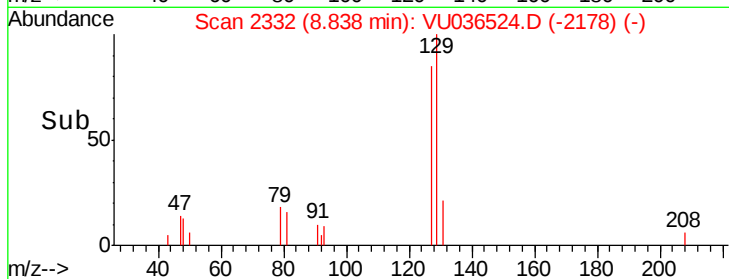
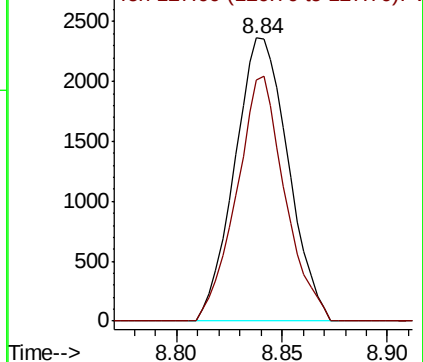
#55
 Dibromochloromethane
 Concen: 0.452 ug/l
 RT: 8.84 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:129 Resp: 4170
 Ion Ratio Lower Upper
 129 100
 127 78.2 62.6 94.0

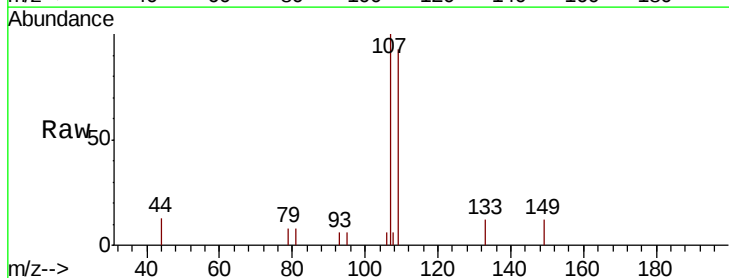


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

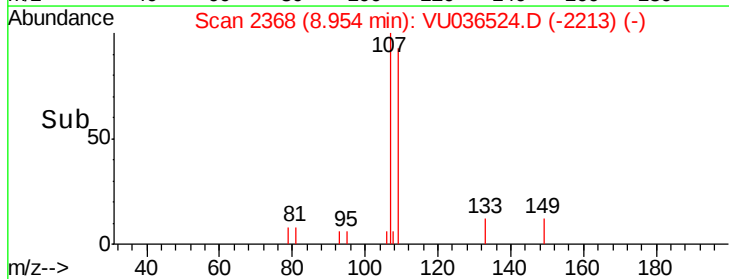
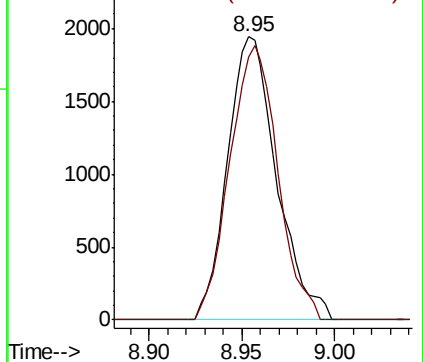


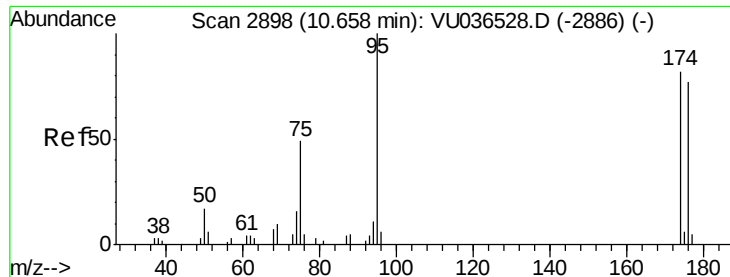
#56
 1,2-Dibromoethane
 Concen: 0.462 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion:107 Resp: 3576
 Ion Ratio Lower Upper
 107 100
 109 94.4 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

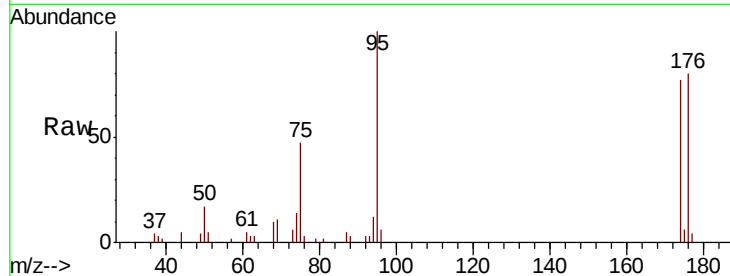




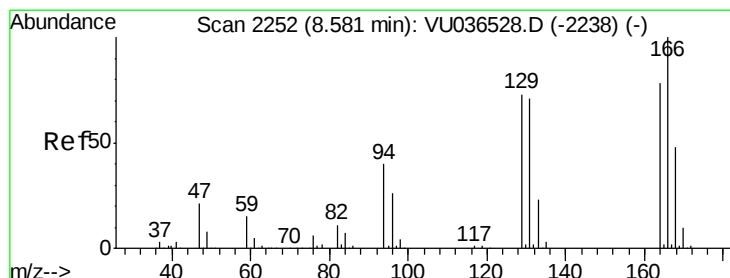
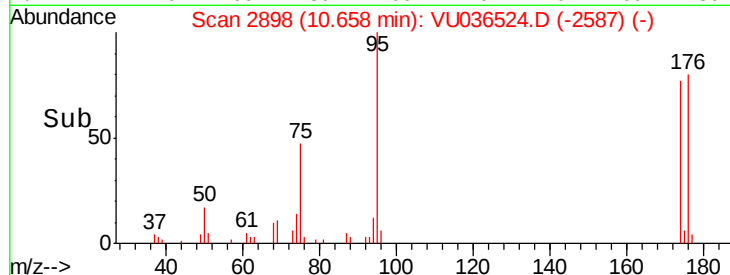
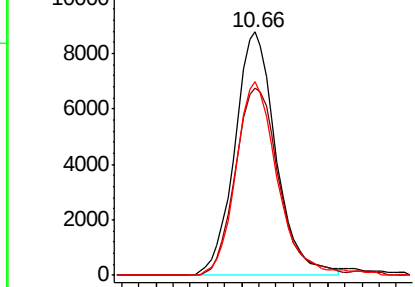
#57
4-Bromofluorobenzene
Concen: 0.997 ug/l
RT: 10.66 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 14664
Ion Ratio Lower Upper
95 100
174 81.6 64.7 97.1
176 80.5 60.6 91.0

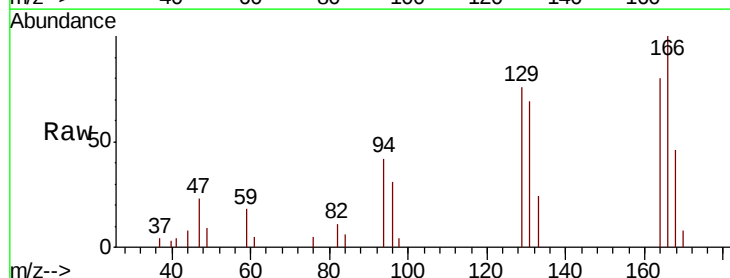


Abundance Ion 95.00 (94.70 to 95.70): VU036524.D (-2886) (-)
Ion 174.00 (173.70 to 174.70): VU036524.D (-2886) (-)
Ion 176.00 (175.70 to 176.70): VU036524.D (-2886) (-)

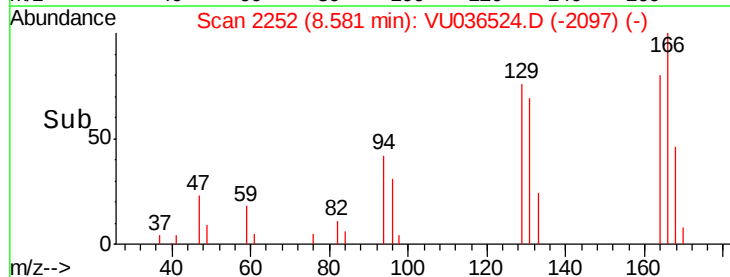
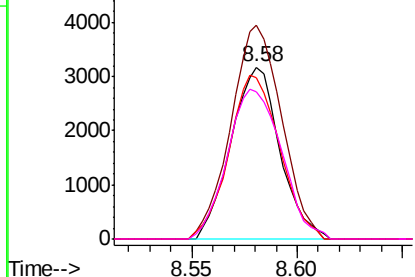


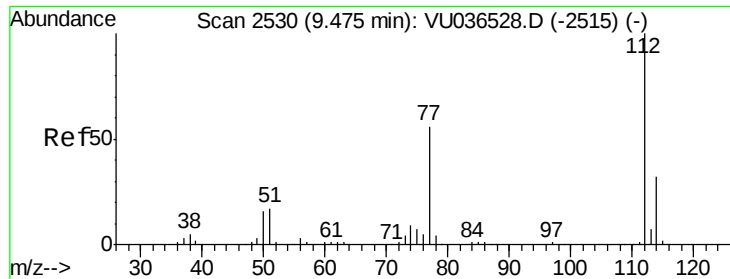
#58
Tetrachloroethene
Concen: 0.579 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 164 Resp: 5109
Ion Ratio Lower Upper
164 100
166 124.5 102.0 153.0
129 94.2 74.9 112.3
131 85.8 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): VU036524.D (-2097) (-)
Ion 165.80 (165.50 to 166.50): VU036524.D (-2097) (-)
Ion 128.90 (128.60 to 129.60): VU036524.D (-2097) (-)
Ion 130.90 (130.60 to 131.60): VU036524.D (-2097) (-)





#59

Chlorobenzene

Concen: 0.519 ug/l

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

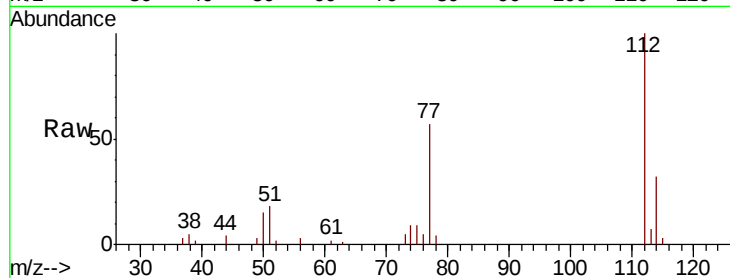
ClientSampleId :

Tot Ion:112 Resp: 14960

Ion Ratio Lower Upper

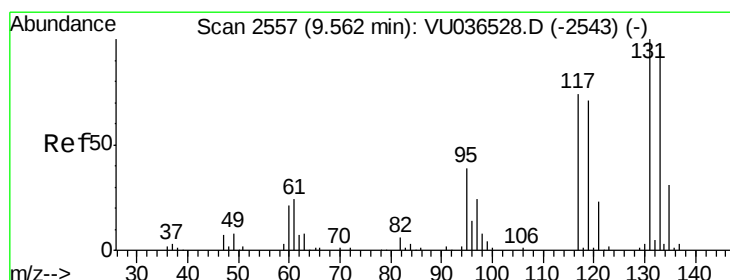
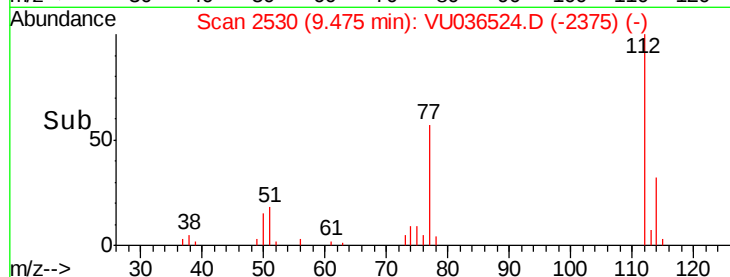
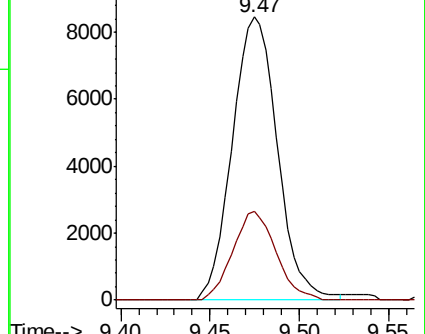
112 100

114 31.5 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.456 ug/l

RT: 9.56 min Scan# 2557

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

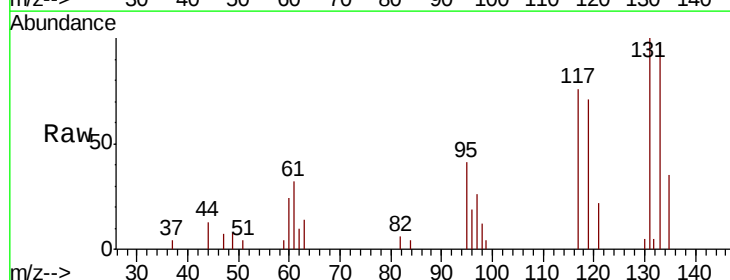
Tgt Ion:131 Resp: 4451

Ion Ratio Lower Upper

131 100

133 100.3 76.4 114.6

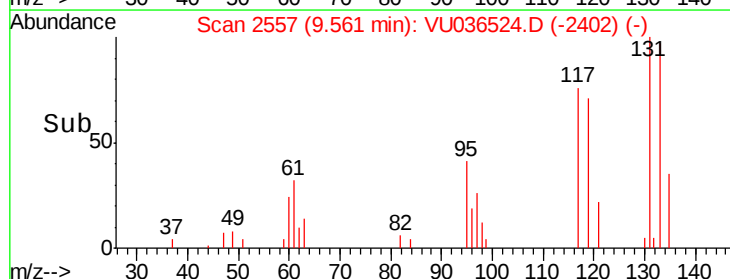
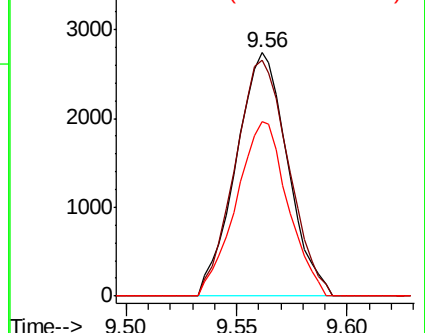
119 71.3 56.6 85.0

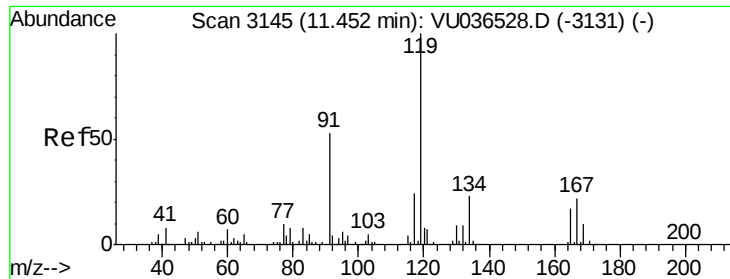


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

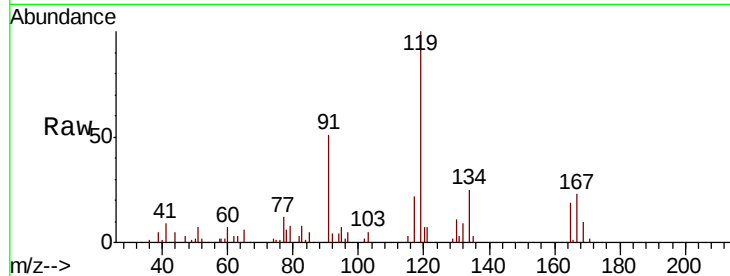




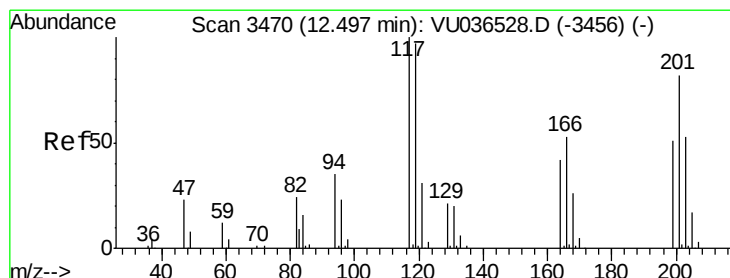
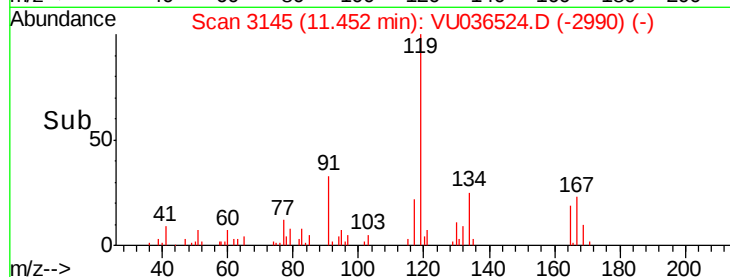
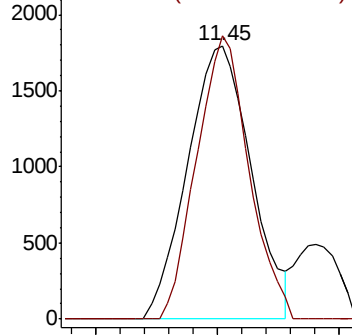
#61
Pentachloroethane
Concen: 0.404 ug/l
RT: 11.45 min Scan# 3145
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 3242
Ion Ratio Lower Upper
117 100
167 85.0 66.7 100.1

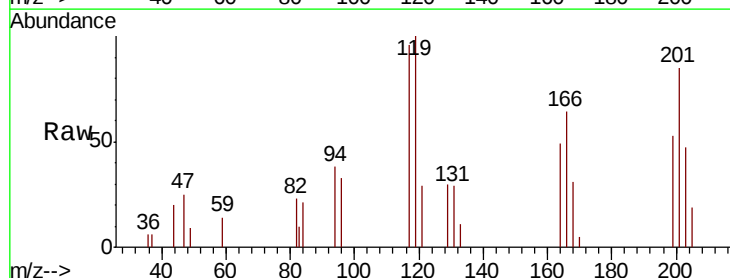


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 166.70 (166.40 to 167.40): V

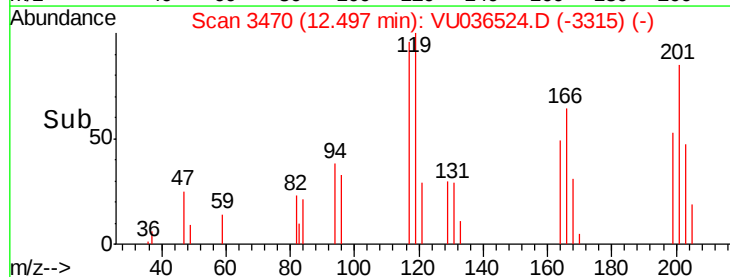
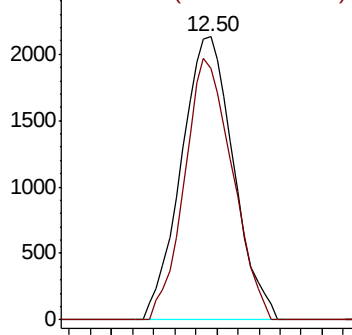


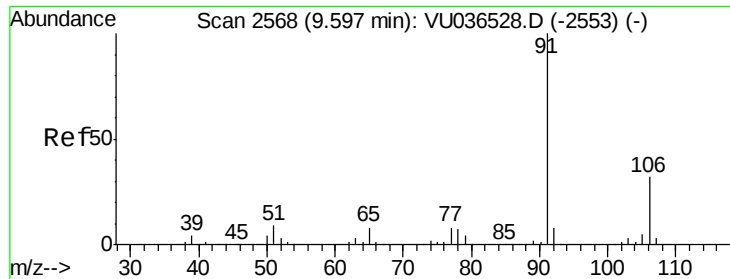
#62
Hexachloroethane
Concen: 0.435 ug/l
RT: 12.50 min Scan# 3470
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion:117 Resp: 3670
Ion Ratio Lower Upper
117 100
201 84.5 65.0 97.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.60 (200.30 to 201.30): V

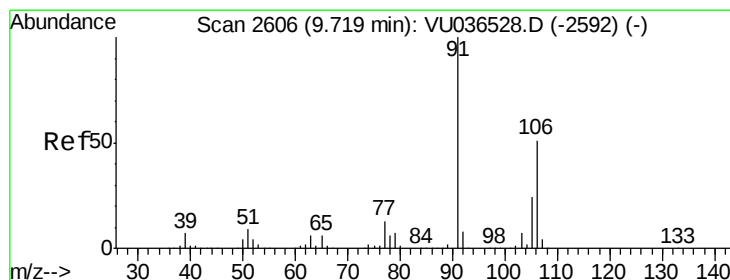
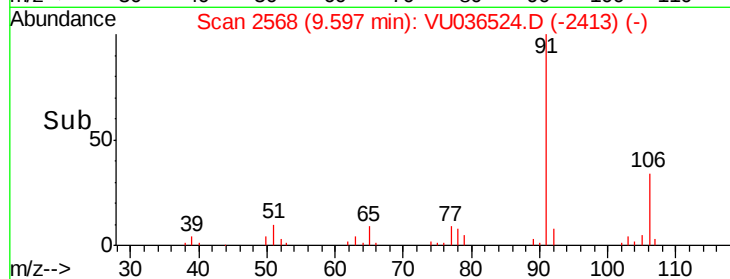
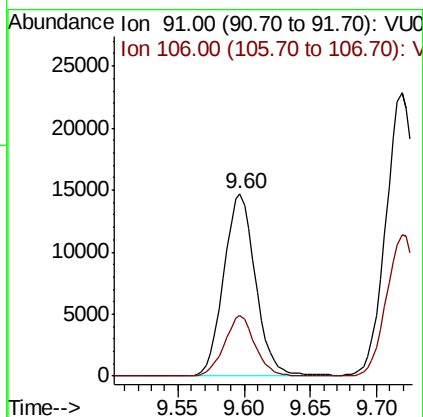
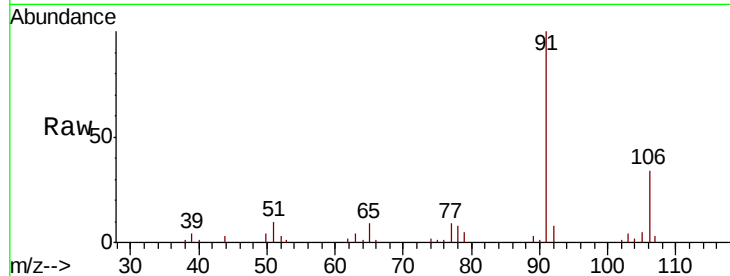




#63
Ethyl Benzene
Concen: 0.468 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

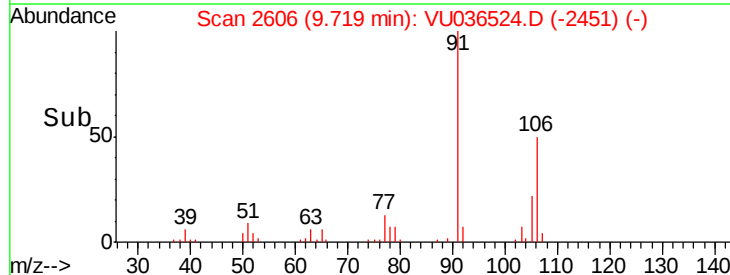
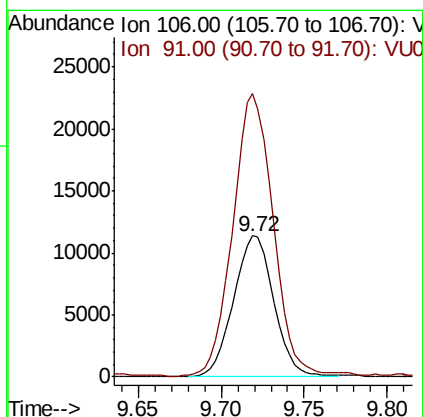
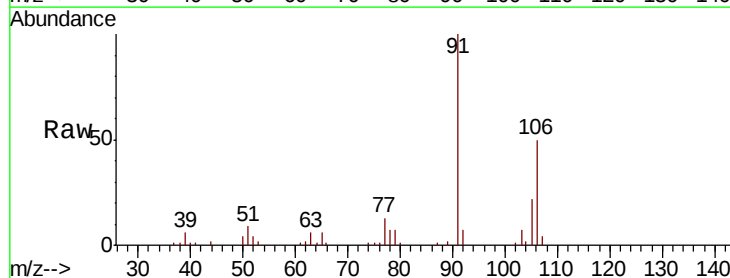
Instrument :
MSVOA_U
ClientSampleId :

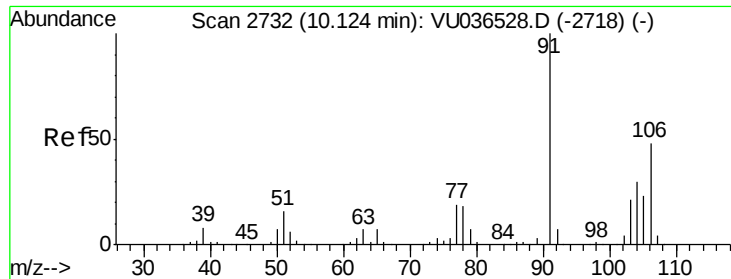
Tot Ion: 91 Resp: 24514
Ion Ratio Lower Upper
91 100
106 33.5 26.0 39.0



#64
m/p-Xylenes
Concen: 0.990 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 106 Resp: 19179
Ion Ratio Lower Upper
106 100
91 201.9 158.2 237.4

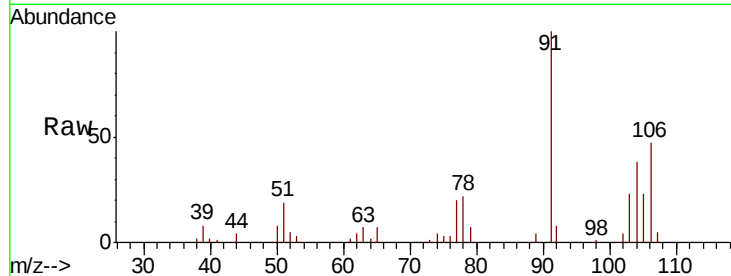




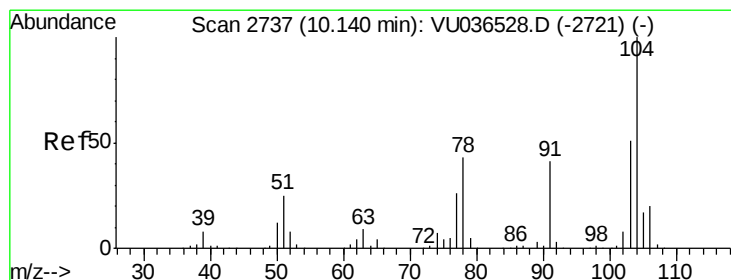
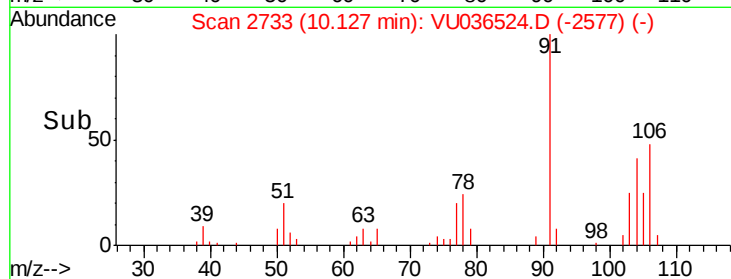
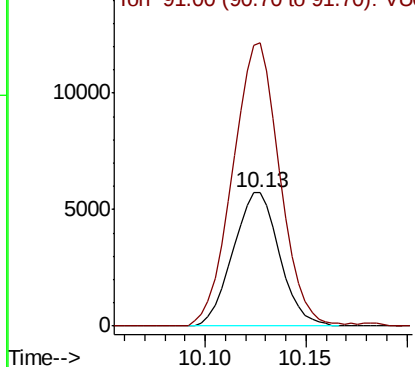
#65
o-Xylene
Concen: 0.488 ug/l
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 9231
Ion Ratio Lower Upper
106 100
91 215.3 104.3 312.9

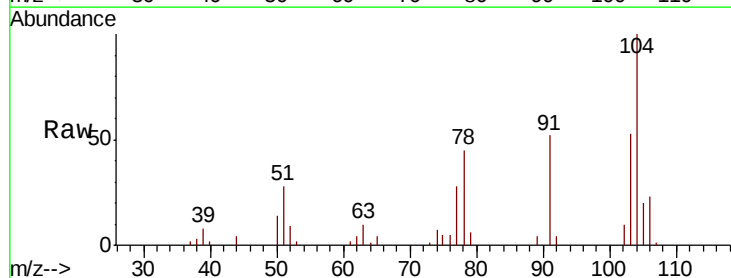


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

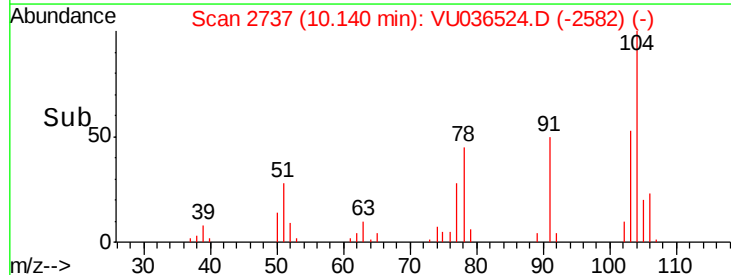
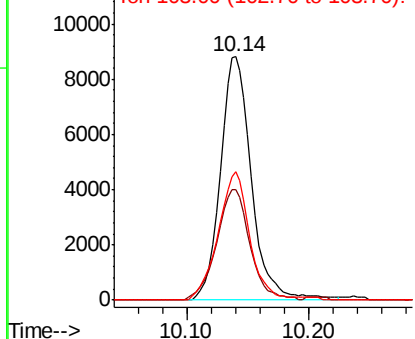


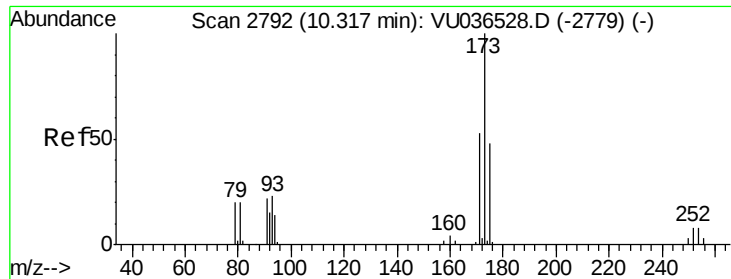
#66
Styrene
Concen: 0.504 ug/l
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion:104 Resp: 15742
Ion Ratio Lower Upper
104 100
78 48.6 38.6 57.8
103 53.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
12000 Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.502 ug/l

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

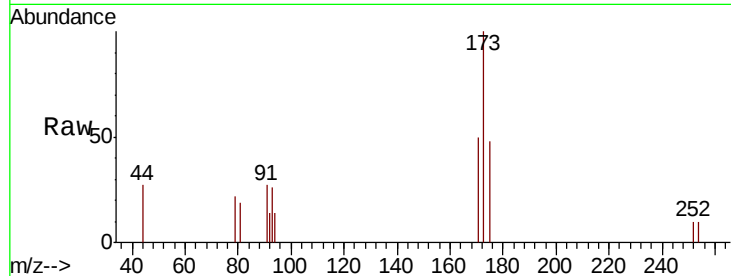
Tot Ion:173 Resp: 2293

Ion Ratio Lower Upper

173 100

175 50.2 38.3 57.5

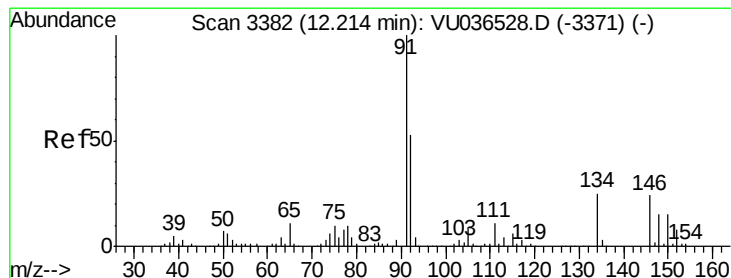
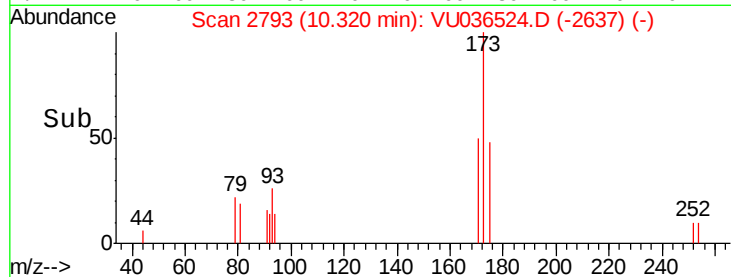
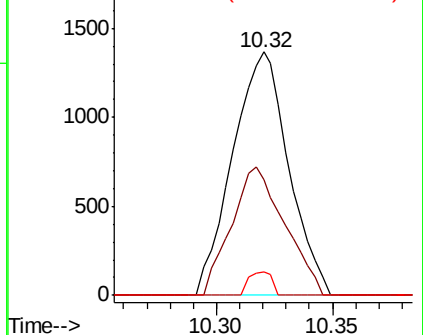
254 4.0 6.6 9.8#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.092 ug/l

RT: 12.22 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

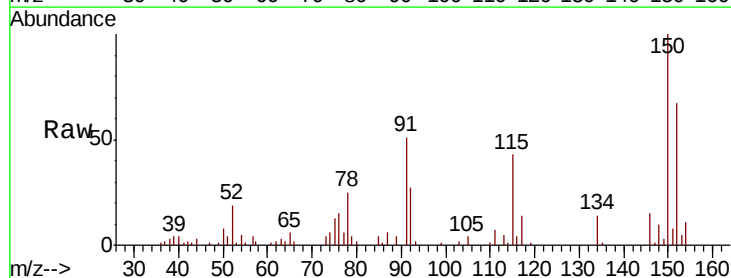
Tgt Ion:152 Resp: 14075

Ion Ratio Lower Upper

152 100

115 66.0 0.0 241.8

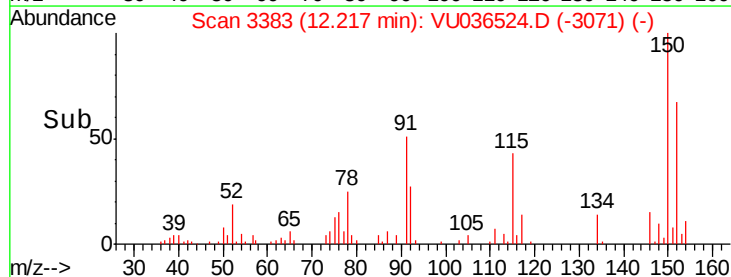
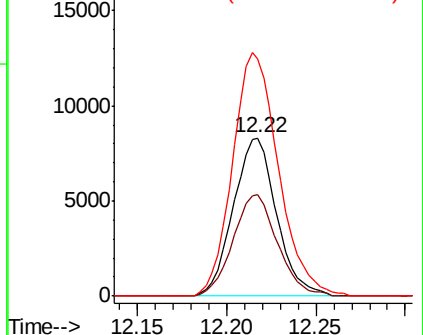
150 163.2 0.0 652.4

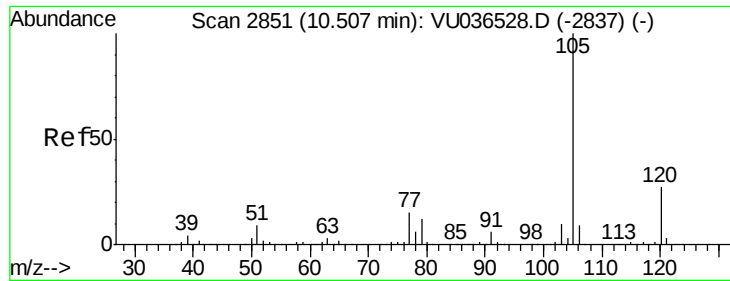


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.475 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

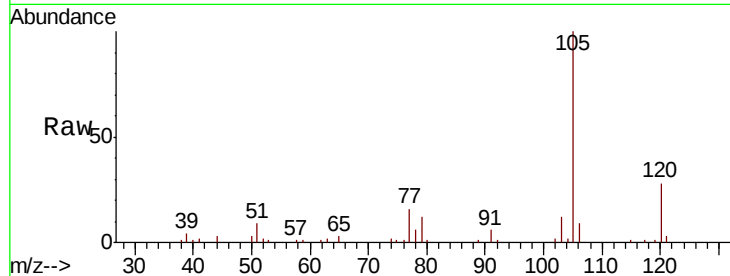
ClientSampled :

Tot Ion:105 Resp: 24167

Ion Ratio Lower Upper

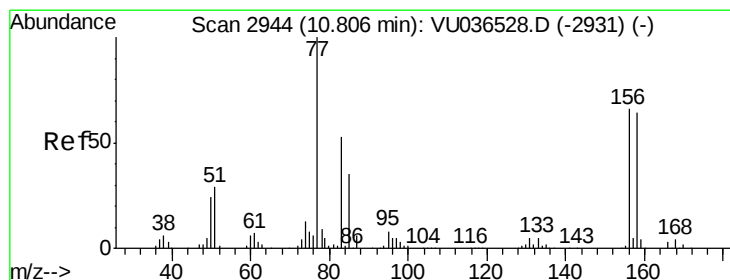
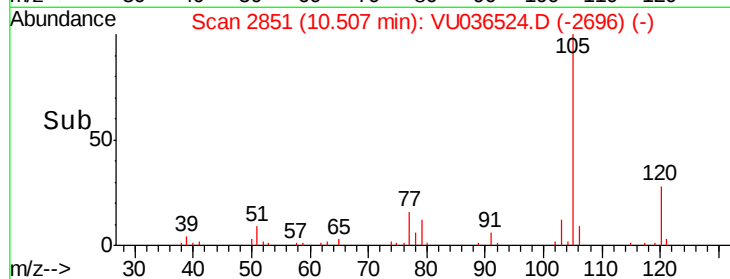
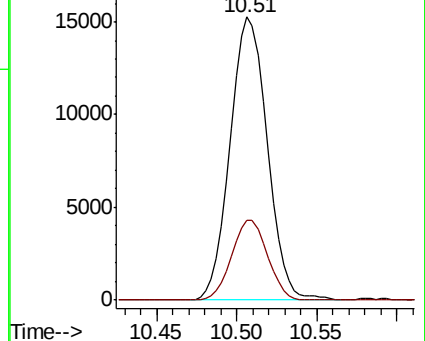
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.453 ug/l

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

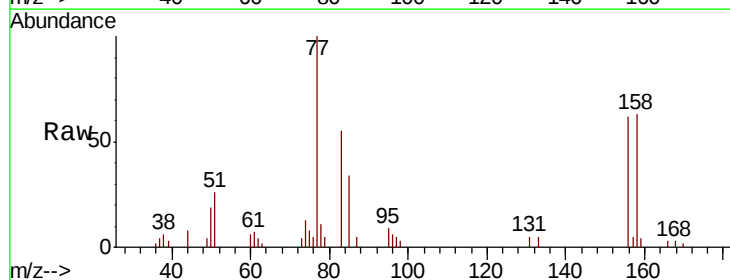
Tgt Ion: 83 Resp: 4804

Ion Ratio Lower Upper

83 100

131 9.1 7.8 11.8

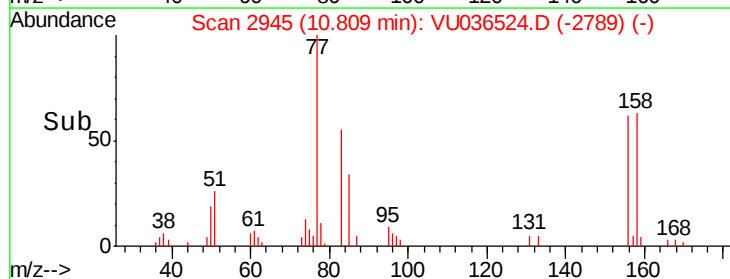
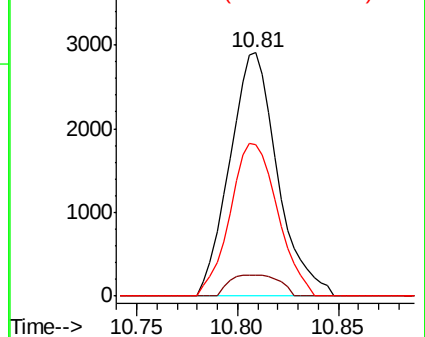
85 62.6 53.2 79.8

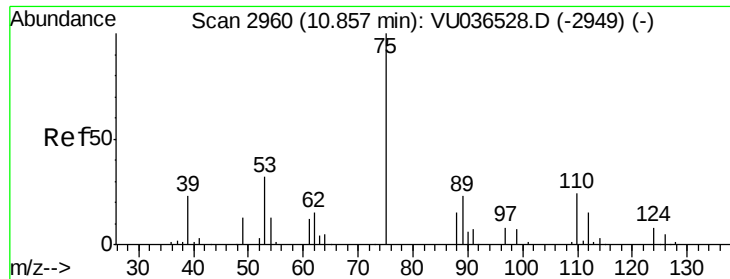


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 0.686 ug/l

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 5552

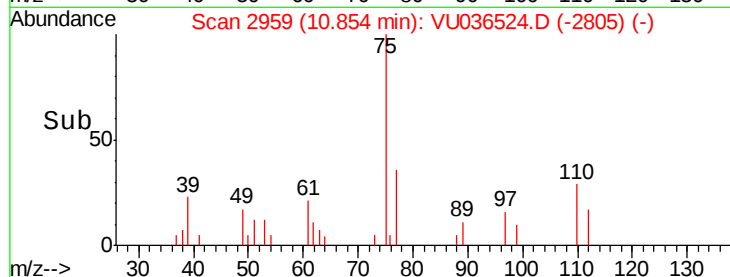
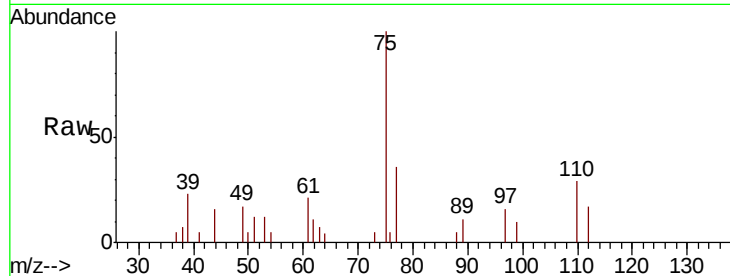
Ion Ratio Lower Upper

75 100

77 0.0 0.0 129.6

110 22.6 0.0 77.4

97 11.5 0.0 42.0

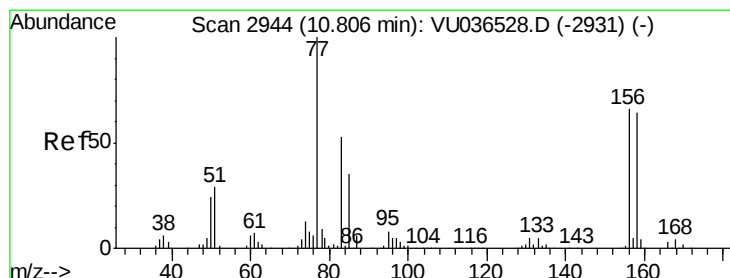
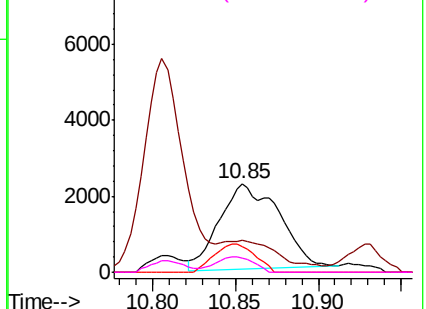


Abundance Ion 75.00 (74.70 to 75.70): VU036524.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU036524.D (-2805) (-)

Ion 110.00 (109.70 to 110.70): VU036524.D (-2805) (-)

Ion 97.00 (96.70 to 97.70): VU036524.D (-2805) (-)



#72

Bromobenzene

Concen: 0.529 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

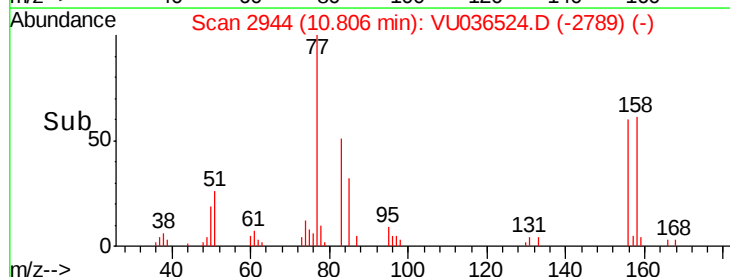
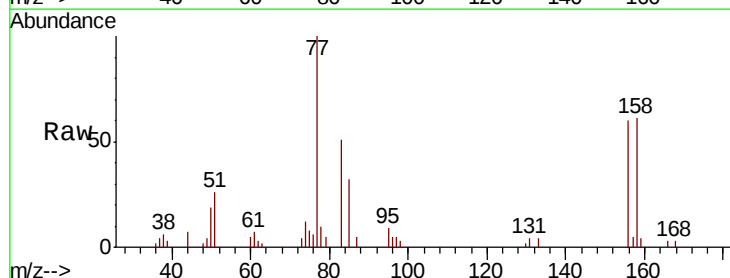
Tgt Ion: 156 Resp: 5692

Ion Ratio Lower Upper

156 100

77 166.0 0.0 306.6

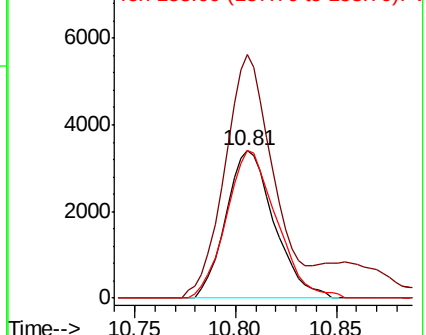
158 104.1 0.0 192.0

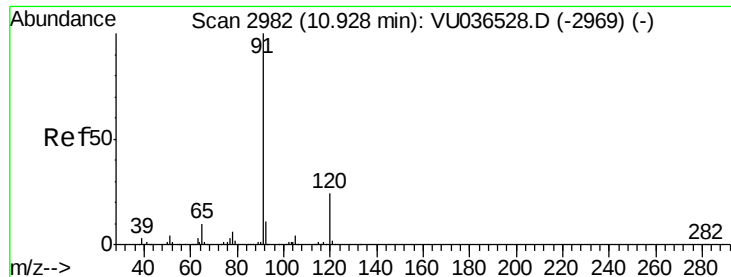


Abundance Ion 156.00 (155.70 to 156.70): VU036524.D (-2789) (-)

Ion 77.00 (76.70 to 77.70): VU036524.D (-2789) (-)

Ion 158.00 (157.70 to 158.70): VU036524.D (-2789) (-)





#73

n-propylbenzene

Concen: 0.466 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

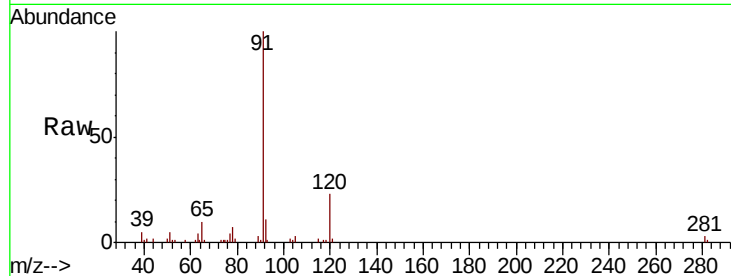
ClientSampleId :

Tot Ion:120 Resp: 6352

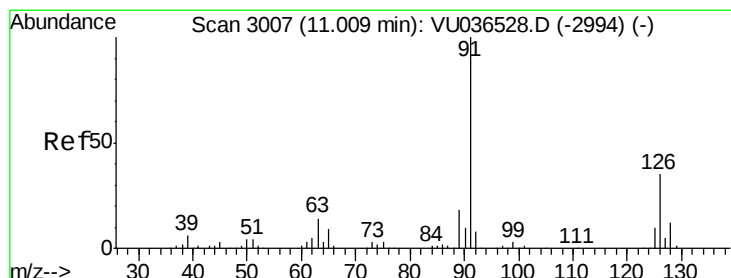
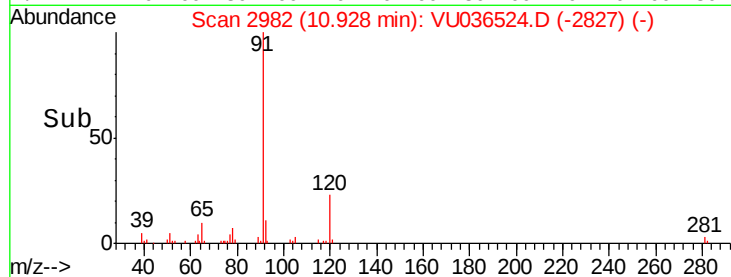
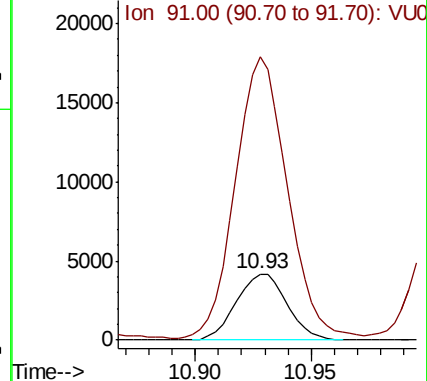
Ion Ratio Lower Upper

120 100

91 436.5 329.5 494.3



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 0.506 ug/l

RT: 11.01 min Scan# 3008

Delta R.T. 0.00 min

Lab File: VU036524.D

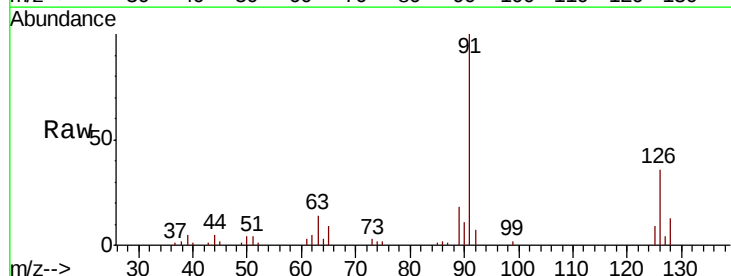
Acq: 22 Jan 2020 14:24

Tgt Ion:126 Resp: 5918

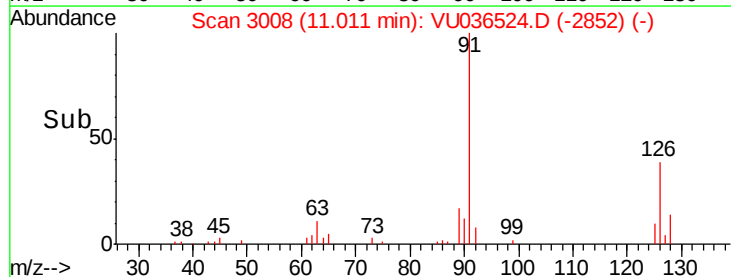
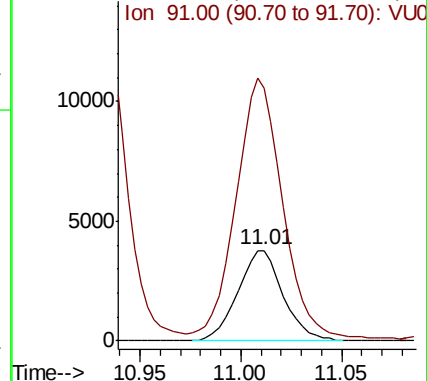
Ion Ratio Lower Upper

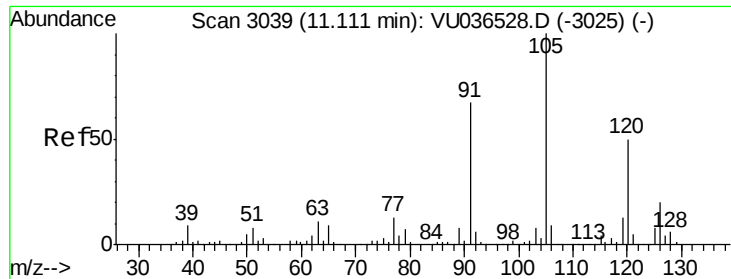
126 100

91 299.4 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 0.492 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

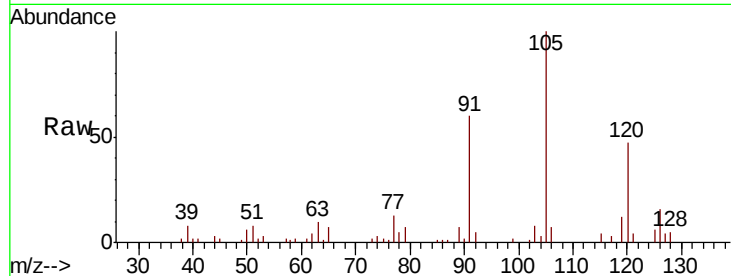
ClientSampleId :

Tot Ion:105 Resp: 21220

Ion Ratio Lower Upper

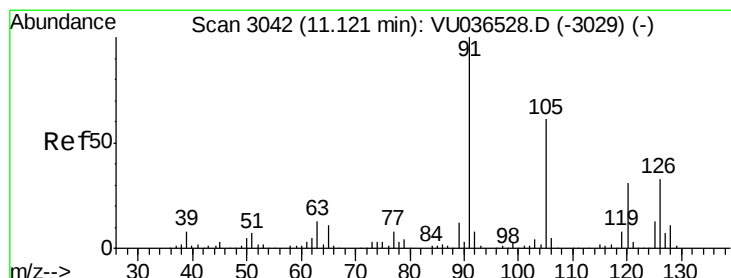
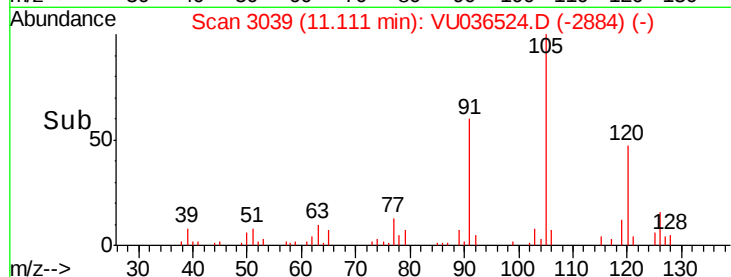
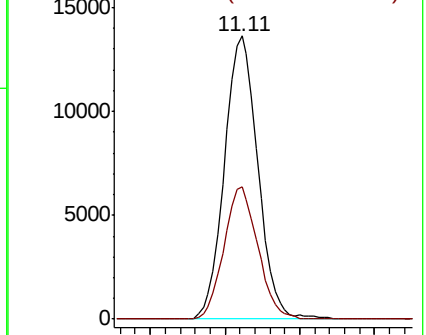
105 100

120 47.2 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.494 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036524.D

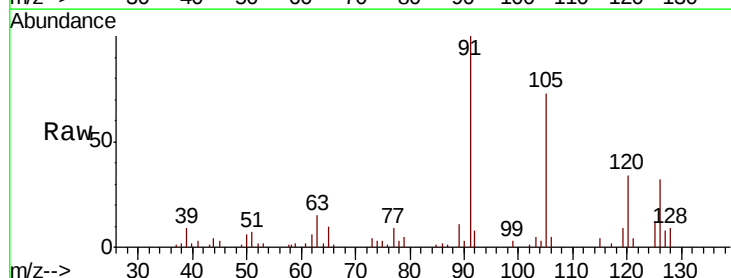
Acq: 22 Jan 2020 14:24

Tgt Ion:126 Resp: 5946

Ion Ratio Lower Upper

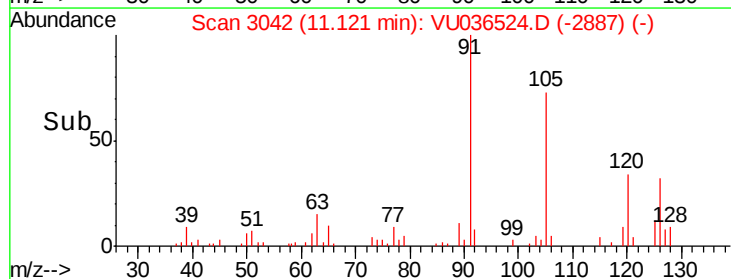
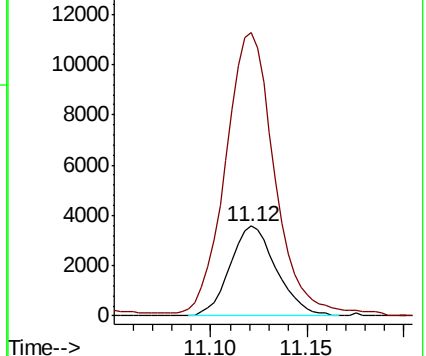
126 100

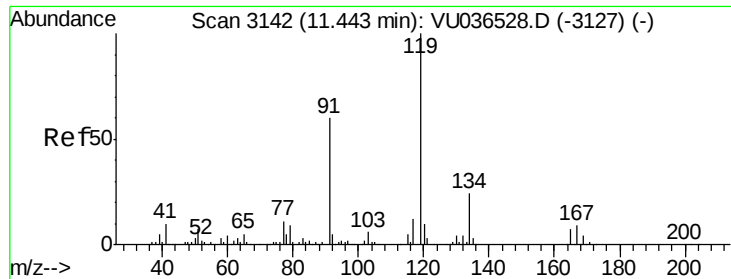
91 337.7 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.497 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

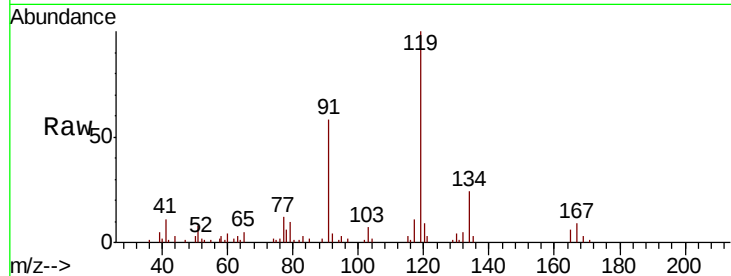
Tot Ion:119 Resp: 20541

Ion Ratio Lower Upper

119 100

91 56.6 29.3 87.8

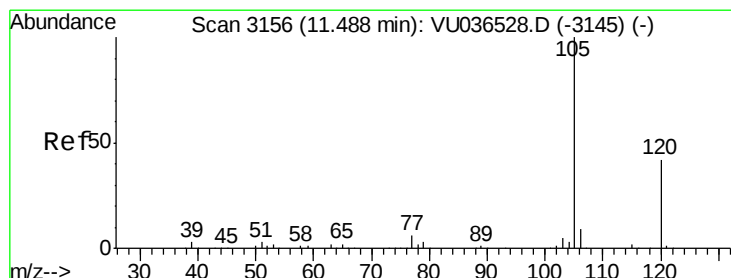
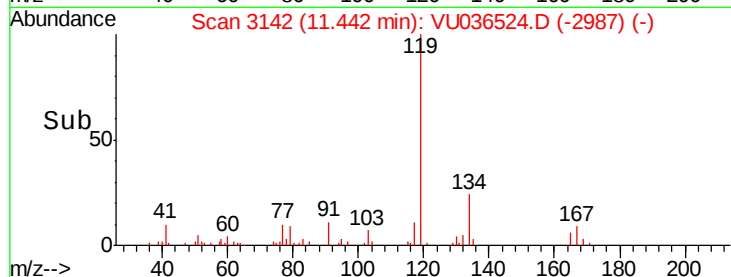
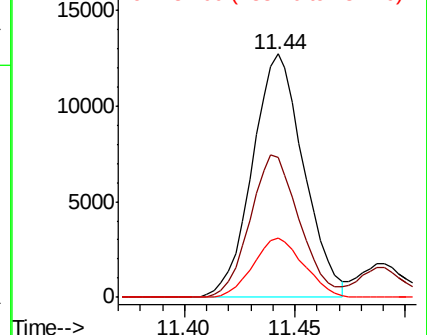
134 24.0 19.0 28.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.493 ug/l

RT: 11.49 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU036524.D

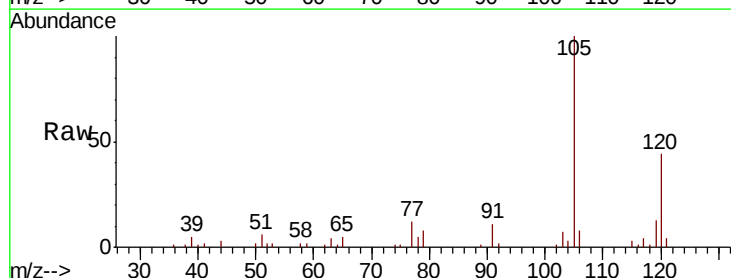
Acq: 22 Jan 2020 14:24

Tgt Ion:105 Resp: 22030

Ion Ratio Lower Upper

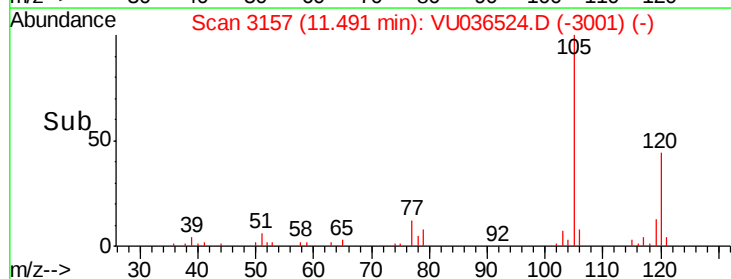
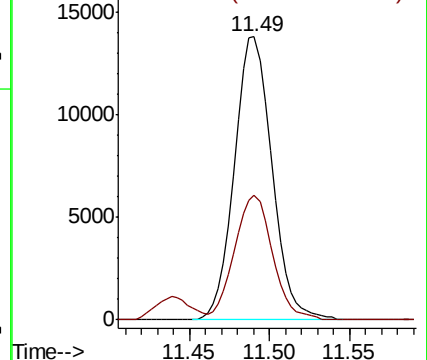
105 100

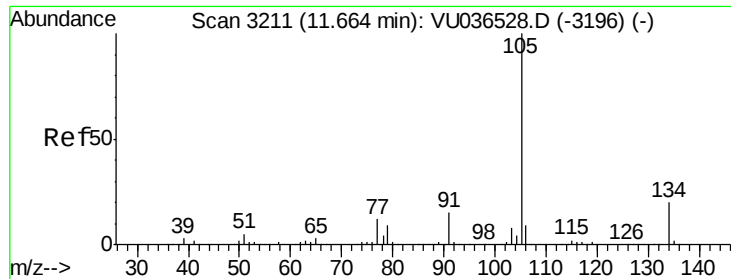
120 44.6 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

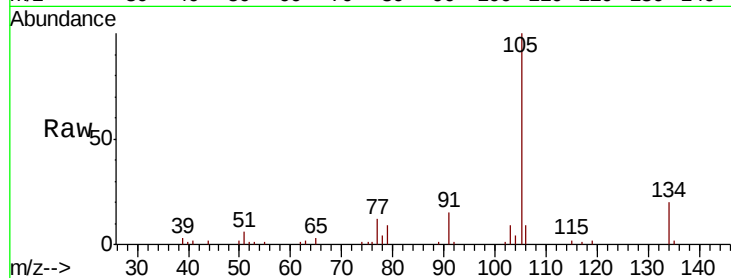




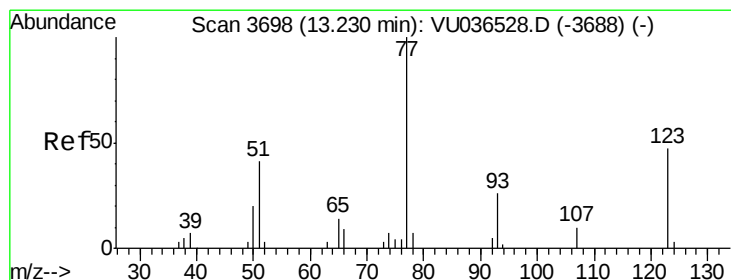
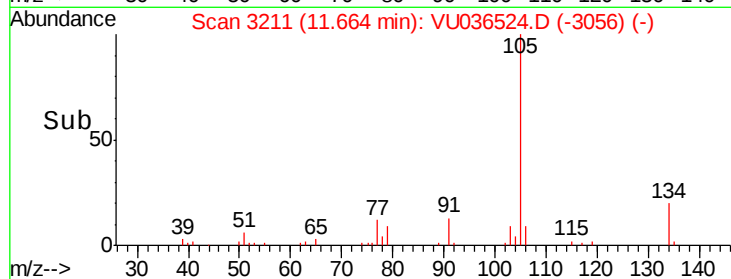
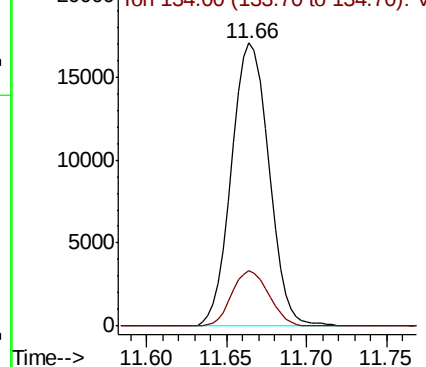
#79
 sec-Butylbenzene
 Concen: 0.476 ug/l
 RT: 11.66 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:105 Resp: 27275
 Ion Ratio Lower Upper
 105 100
 134 19.2 16.0 24.0

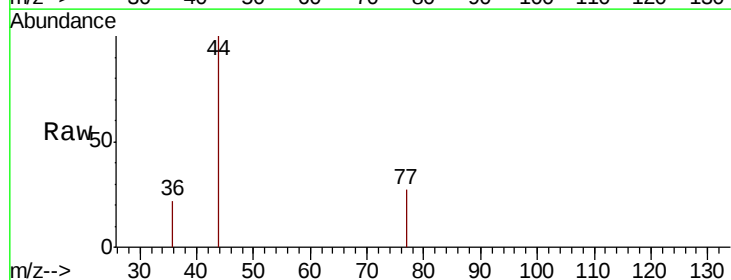


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

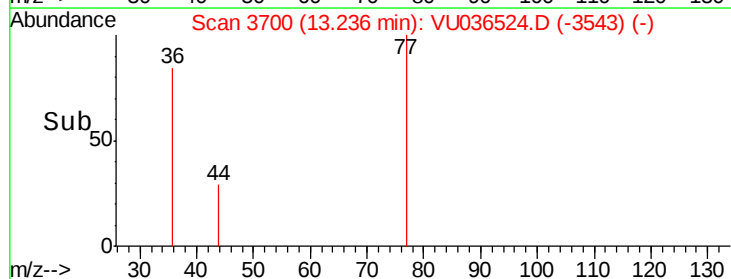
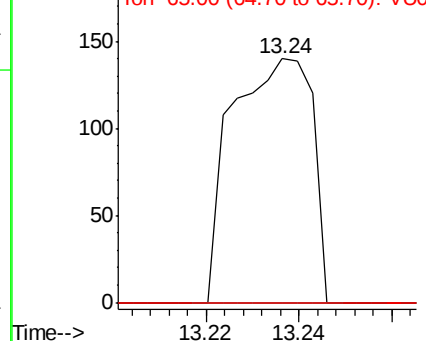


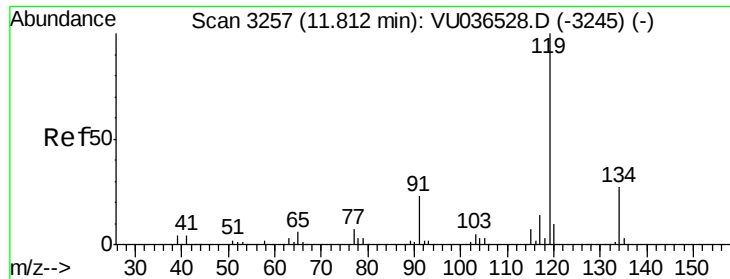
#80
 Nitrobenzene
 Concen: 0.903 ug/l
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.01 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion: 77 Resp: 168
 Ion Ratio Lower Upper
 77 100
 123 0.0 19.6 69.6#
 65 0.0 12.7 16.1#



Abundance Ion 77.00 (76.70 to 77.70): VU0
 Ion 123.00 (122.70 to 123.70): V
 Ion 65.00 (64.70 to 65.70): VU0

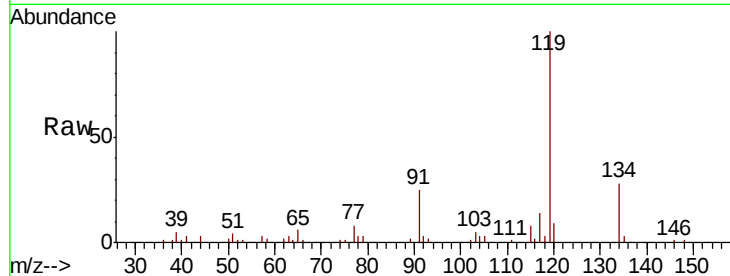




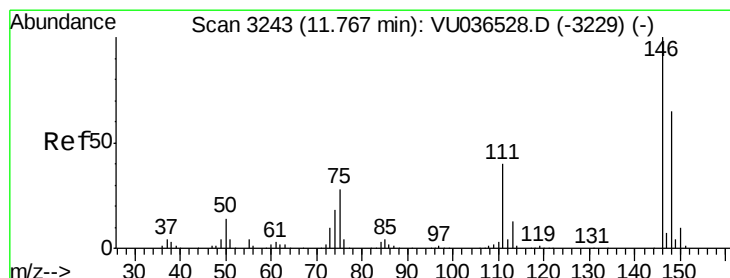
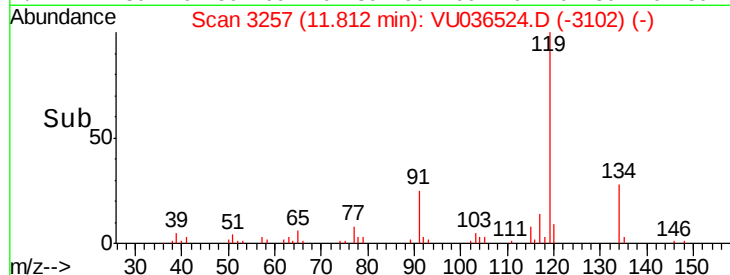
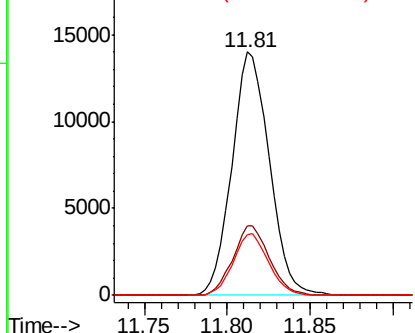
#81
 p-Isopropyltoluene
 Concen: 0.482 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 22046
 Ion Ratio Lower Upper
 119 100
 134 27.7 21.4 32.0
 91 23.7 18.3 27.5

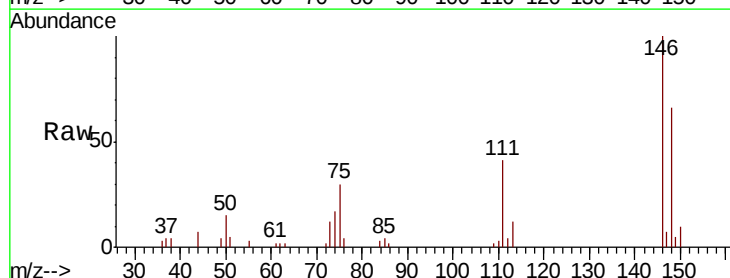


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

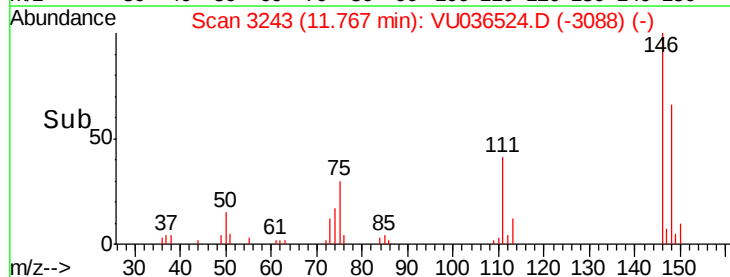
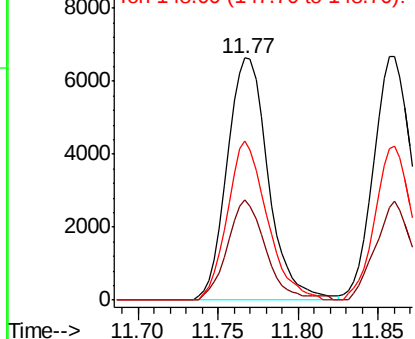


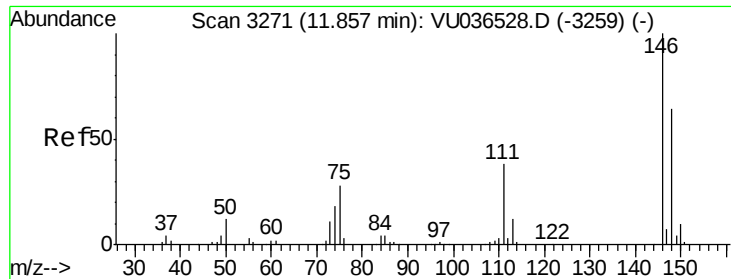
#82
 1,3-Dichlorobenzene
 Concen: 0.517 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion:146 Resp: 11657
 Ion Ratio Lower Upper
 146 100
 111 38.0 32.2 48.2
 148 63.4 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

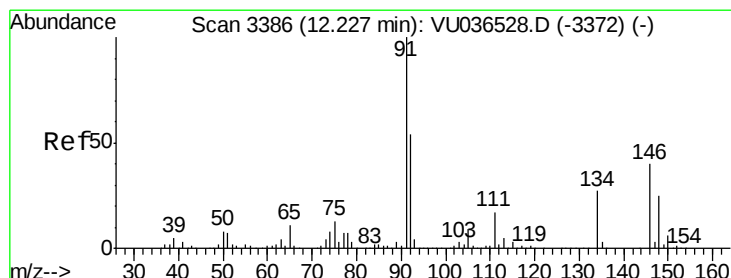
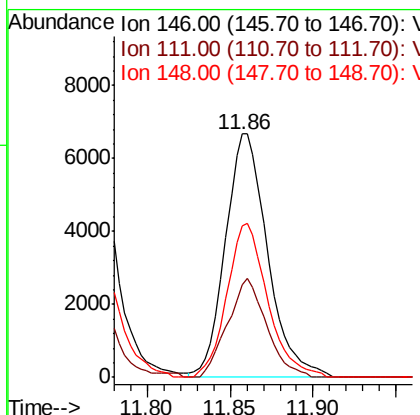
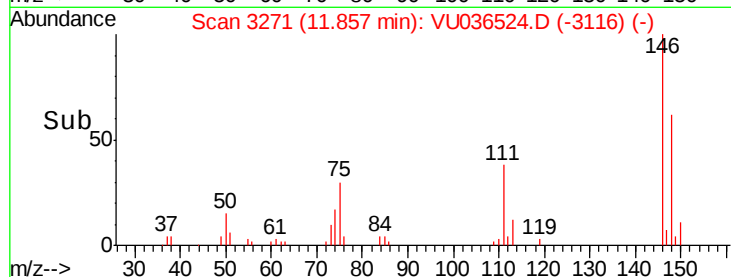
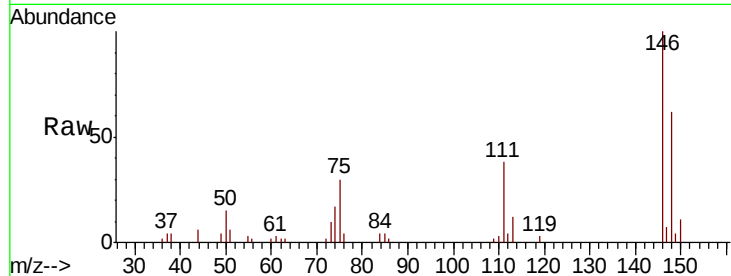




#83
1,4-Dichlorobenzene
Concen: 0.530 ug/l
RT: 11.86 min Scan# 3271
Delta R.T. -0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

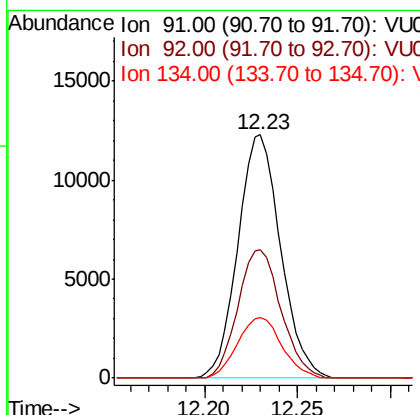
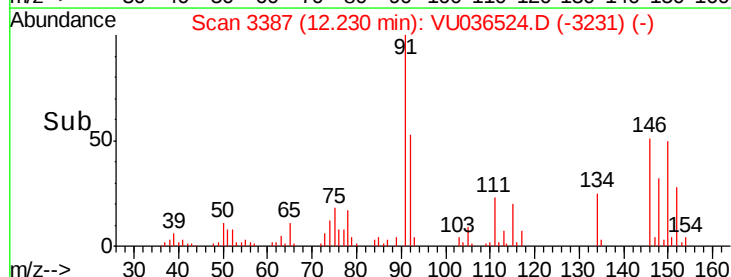
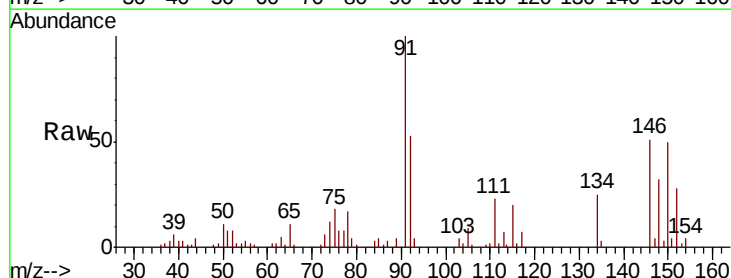
Instrument :
MSVOA_U
ClientSampled :

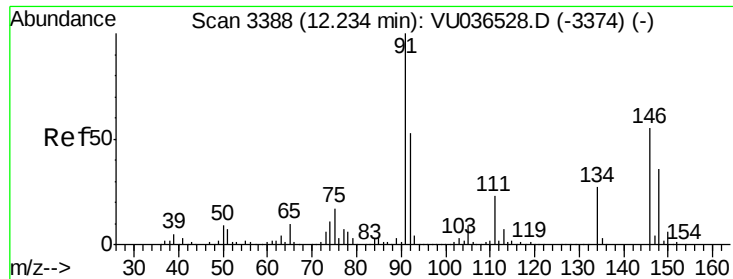
Tot Ion:146 Resp: 11825
Ion Ratio Lower Upper
146 100
111 37.5 30.5 45.7
148 60.8 51.0 76.4



#84
n-Butylbenzene
Concen: 0.407 ug/l
RT: 12.23 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU036524.D
Acq: 22 Jan 2020 14:24

Tgt Ion: 91 Resp: 19613
Ion Ratio Lower Upper
91 100
92 53.3 42.9 64.3
134 25.9 21.4 32.0

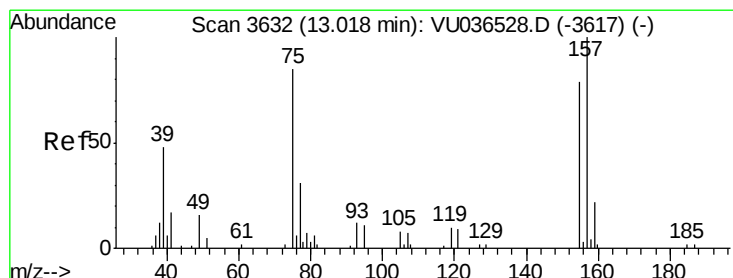
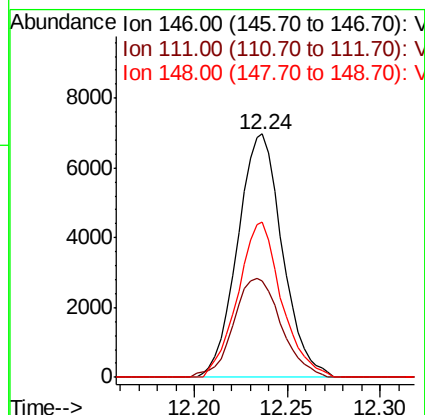
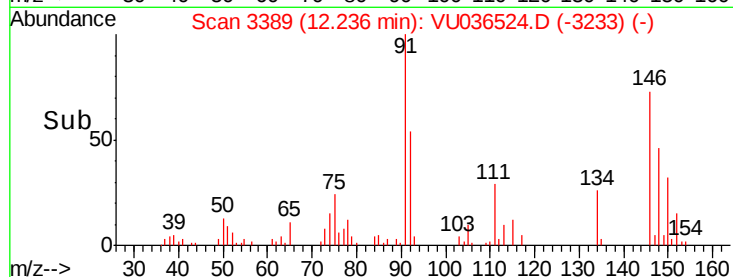
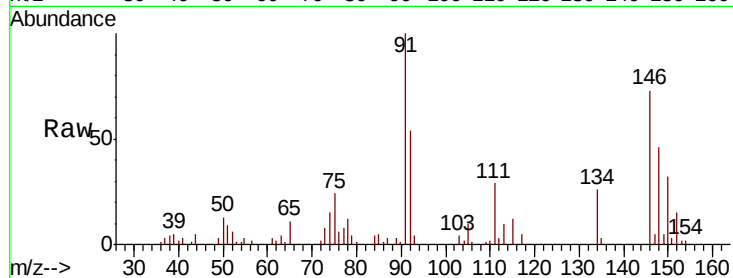




#85
 1,2-Dichlorobenzene
 Concen: 0.548 ug/l
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

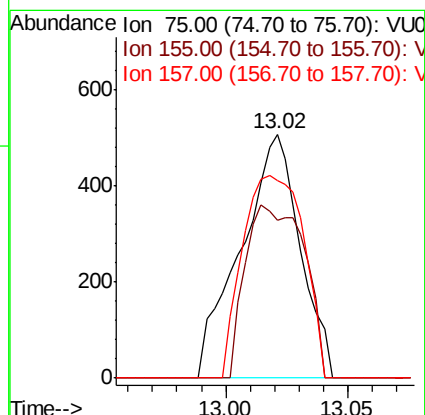
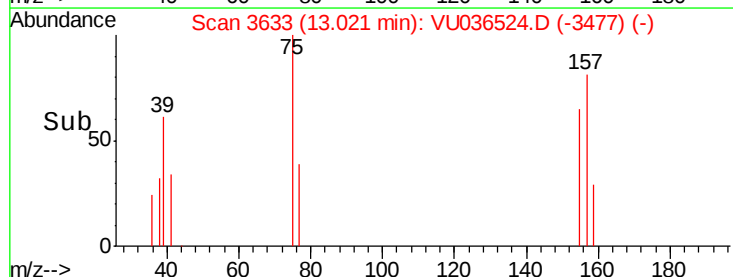
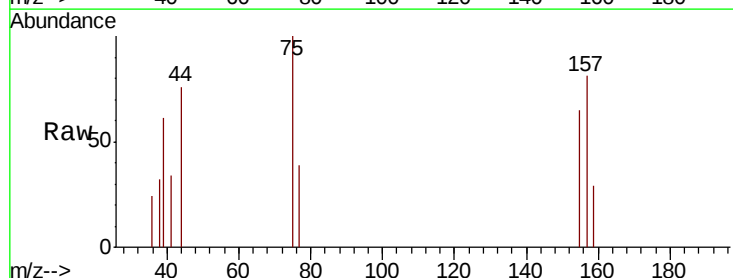
Instrument :
 MSVOA_U
 ClientSampleId :

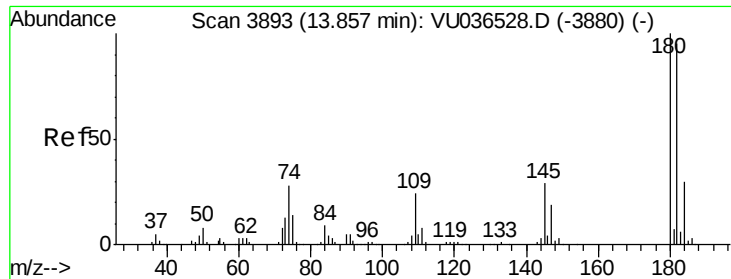
Tot Ion:146 Resp: 11688
 Ion Ratio Lower Upper
 146 100
 111 43.3 20.8 62.4
 148 62.3 32.0 96.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.443 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion: 75 Resp: 853
 Ion Ratio Lower Upper
 75 100
 155 70.6 71.8 107.8#
 157 85.7 92.4 138.6#

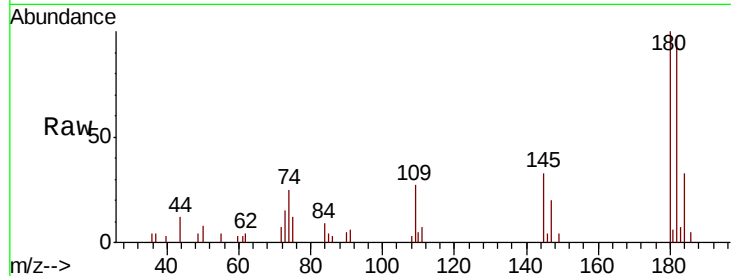




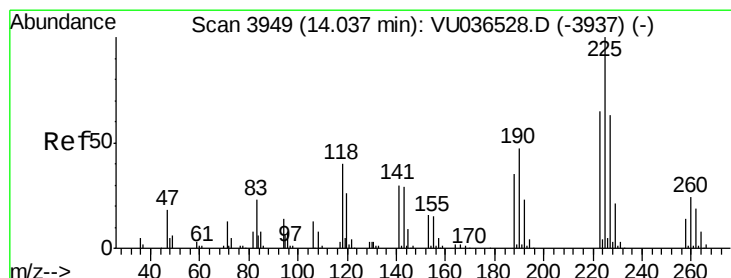
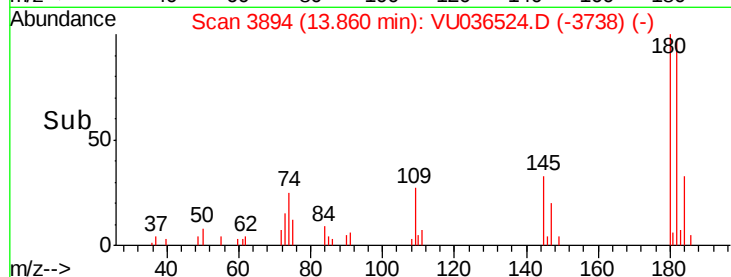
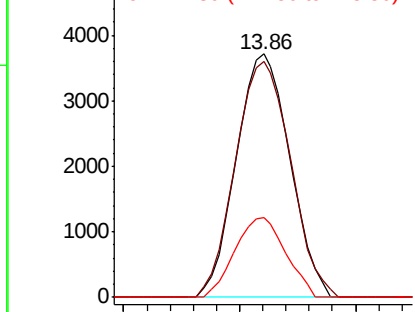
#87
 1,2,4-Trichlorobenzene
 Concen: 0.440 ug/l
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 5954
 Ion Ratio Lower Upper
 180 100
 182 100.1 75.9 113.9
 145 30.9 23.4 35.2

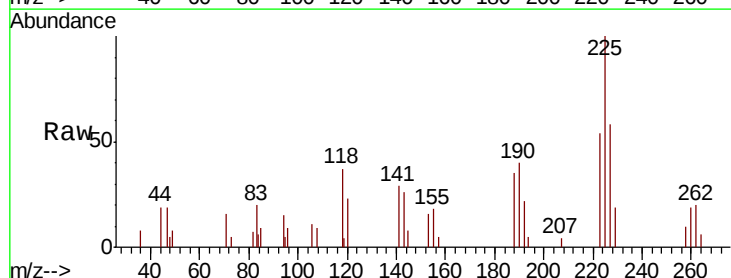


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

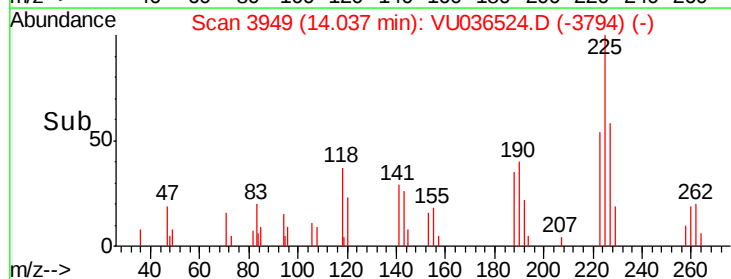
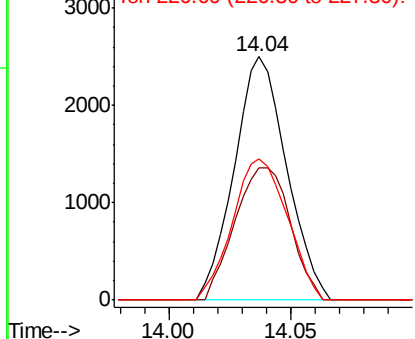


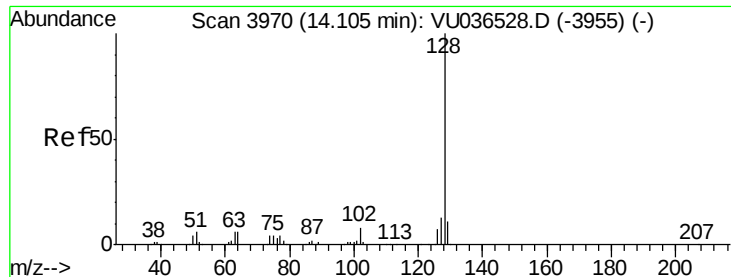
#88
 Hexachlorobutadiene
 Concen: 0.585 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VU036524.D
 Acq: 22 Jan 2020 14:24

Tgt Ion:225 Resp: 3718
 Ion Ratio Lower Upper
 225 100
 223 57.6 51.7 77.5
 227 60.9 50.6 75.8



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.369 ug/l

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

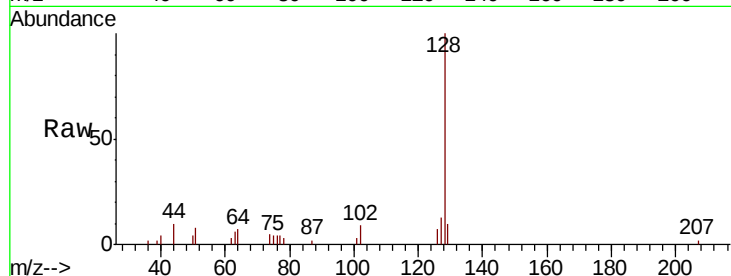
Tot Ion:128 Resp: 9927

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

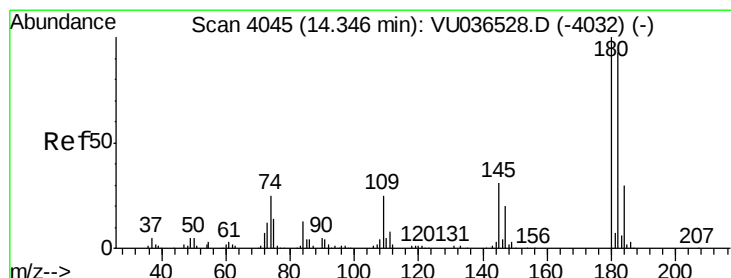
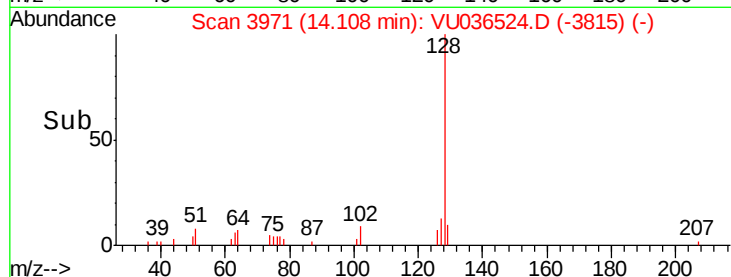
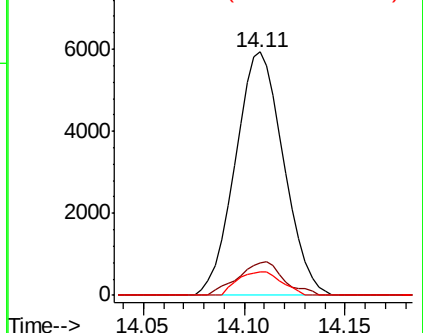
129 8.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.498 ug/l

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036524.D

Acq: 22 Jan 2020 14:24

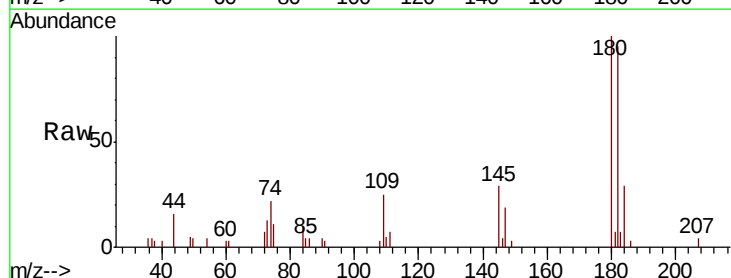
Tgt Ion:180 Resp: 6190

Ion Ratio Lower Upper

180 100

182 93.2 76.2 114.4

145 29.7 25.2 37.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

